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ABSTRACT

This paper is one of three major reports documenting the results of a 1984 survey of Maryland adolescents' knowledge of, attitudes toward, and experiences with drugs and alcohol. An introduction briefly outlines the work of the Maryland Drug Abuse Administration and describes earlier surveys. A methodology section describes 1984 sampling techniques and survey administrations which resulted in 33,079 valid questionnaires from 8th, 10th, and 12th grade students statewide. Computation of statewide estimates is explained. The survey results are presented in three parts. Part One furnishes estimates of substance use by Maryland adolescents in four categories: (1) substances used; (2) the severity of substance abuse; (3) the demography of substance abuse; and (4) substances used by adolescents in each geographic subdivision. Part Two examines trends in substance use among Maryland's adolescents by comparing and contrasting statewide and subdivision estimates for 1980, 1982, and 1984. Part Three compares the Maryland results to the results obtained by the National Institute on Drug Abuse in its 1984 annual survey of student drug use in America. The report's conclusion summarizes the findings of the 1984 survey and concludes that drug abuse, as reported by adolescents between 1980 and 1984, has declined in Maryland. Relationships found between demographic characteristics and drug use trends are also summarized. Forty-two data tables appear throughout the text and the Maryland Adolescent Survey 1984 is appended. (NB)

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MARYLAND DEPARTMENT OF HEALTH AND MENTAL HYGIENE
DRUG ABUSE ADMINISTRATION
Richard L. Hamilton, Director

# 1984 SURVEY OF DRUG ABUSE AMONG MARYLAND ADOLESCENTS GENERAL REPORT

CG 019225

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# 1984 SURVEY OF DRUG ABUSE AMONG MARYLAND ADOLESCENTS

## 1984 GENERAL REPORT

This report documents the background, methodology, and statewide results of the survey of drug abuse among adolescents in the State of Maryland. The survey was administered by Macro Systems, Inc., under contract with the Maryland Drug Abuse Administration (MDAA) of the Department of Health and Mental Hygiene in cooperation with the State Department of Education. The survey was initiated in the fall of 1984.

## INTRODUCTION

Early in the 1970s, the MDAA, charged with the responsibilities of planning, developing, and monitoring drug abuse education, prevention, and treatment programs in the State, established an integrated management information system. This system was designed to monitor the needs of, and the treatment services provided to, the State's drug abusing population. The system currently includes a client-based treatment program reporting process, periodic incidence and prevalence studies, and surveys of special populations. This latter and key aspect of the system was developed to generate information necessary to defining the extent and distribution of drug abuse among Maryland's population in general and the adolescent population in particular. Accordingly, a series of surveys conducted in secondary schools across the State since 1973 collected useful information on drug use, attitudes, and knowledge among Maryland adolescents. This information allows MDAA to plan more efficient and effective education and prevention programs; enables a more accurate ordering of priorities and more optimal and targeted allocation of agency resources; assists in the examination of past trends and projections of future trends; and permits an evaluation of prevention strategies.

The first survey, conducted in 1973, obtained information on 10th-grade students only. In 1975, in order to compare observations during different time

periods and to observe long-term trends, both 10th- and 12th-graders were surveyed. With the apparent trend of drug involvement among younger adolescents, the survey was expanded in 1978 to include 8th-grade students in addition to 10th- and 12th-graders. These same three grade levels were surveyed in 1980, 1982 and again in 1984. In 1984, students who were enrolled in private schools in Prince George's County were also surveyed; the results are analyzed separately as a pilot study. A summary of these surveys in terms of the number of respondents, grades surveyed, and percent of total population responding is provided in Table 1, below.

TABLE 1
Maryland State Adolescent Drug Abuse Surveys

| Year | Number of Respondents | Grades Surveyed | Percent of Total Public School Population |
|---|---|---|---|
| 1973 | 21,238 | 10th | 29.0 percent of the 10th-grade students in Maryland |
| 1975 | 26,884 | 10th and 12th | 21.1 percent of all 10th-grade students and 21.5 percent of all 12th-grade students in Maryland |
| 1978 | 46,700 | 8th, 10th, and 12th | 28.6 percent of 8th-, 10th-, and 12th-grade students |
| 1980 | 35,823 | 8th, 10th, and 12th | 20.0 percent of 8th-, 10th-, and 12th-grade students |
| 1982 | 38,612 | 8th, 10th, and 12th | 22.5 percent of 8th-, 10th-, and 12th-grade students |
| 1984 | 36,649 | 8th, 10th, and 12th | 22.5 percent of 8th-, 10th-, and 12th-grade students |

The objectives of the 1984 survey were essentially similar to those of previous surveys. They included the following:

- To estimate the nonmedical utilization rates of selected drugs among an adolescent population for the State of Maryland and for each political subdivision.
- To measure the knowledge that a sample of adolescents has about drugs, i.e., physiological and psychological effects, drug definitions, street terms, and to ascertain their attitudes regarding certain aspects of drug abuse.
- To correlate drug use with several variables, including drug knowledge, attitudes toward drugs, and demographic factors.
- To measure changes in adolescent drug use patterns over a period of time by comparing 1984 results with surveys in the past.

- To provide for student assessment of information and instruction concerning drug abuse presented in school curricula.

In short, the purpose of the 1984 survey like its predecessors was to obtain a better understanding of young people's knowledge of, attitudes toward, and experiences with drugs as well as alcohol. The information collected in this manner will be used to enhance drug treatment and prevention programs and to improve communication about the use of substances among adolescents, parents, and educators throughout Maryland.

## METHODOLOGY

In administering the 1984 survey, a sampling plan similar to that employed in 1978, 1980, and 1982 was implemented to allow for direct comparisons across the four survey years. All 24 subdivisions in the State were requested to participate in the survey and only four (Kent, Cecil, Talbot, and Anne Arundel) declined. The same schools surveyed in previous years were included in the 1984 sample with a few exceptions. For schools that were closed since the last survey, suitable replacements were found with the assistance of subdivision contacts. One other school was dropped at the subdivision's request and replaced. In subdivisions with relatively smaller enrollments, all applicable schools were surveyed. In all larger subdivisions, including Howard County, which had previously required 100 percent participation, a sample set of schools was selected. Montgomery County developed a special county-specific sampling plan, which included 13 schools with only one grade (8th, 10th, or 12th) sampled per school.

As in previous years, the 1984 survey was self-administered in large group settings within sampled 8th, 10th, and 12th grades. The confidential nature of the survey, i.e., individual respondents were not identified, was designed to allow students to answer questions honestly, without fear of repercussions. The survey was administered to students by well trained, professional data collectors. The 1984 survey questionnaire is included in this report as Appendix A.

One hundred and twenty-one schools were included in the sample, with a total enrollment of 43,684 adolescents (8th graders--15,388; 10th graders--15,402; 12th graders--12,894). Eighty-four percent of the original sample participated in the survey (8th graders--13,835; 10th graders--12,535; 12th graders--10,191). It should be noted that some questionnaires were deemed to be invalid and were discarded as a result of extensive nonresponse and/or logical inconsistencies. From the 48,684 adolescents in the original sample, 33,079 questionnaires representing 90.5 percent of the completed questionnaires and 75.7 percent of the sample were considered to be valid and were included in the analysis. Table 2 summarizes selected statistics describing the sample employed in the 1984 survey. The enrollment in sampled schools, the number of completed questionnaires (excluding absentees and refusals), the number of valid questionnaires (excluding those eliminated for having failed to meet standards of completeness and consistency), the percent of the original sample from whom valid questionnaires were obtained, and the percent of respondents with valid questionnaires, are presented by grade level and subdivision. Statewide sample totals are also included.

Statewide estimates were computed following the application of weighting procedures. First, each participating subdivision was assigned a weighting factor that was equal to the ratio of the subdivision's school enrollment (as of 9/30/84) at each grade level to final sample of valid questionnaires for each grade level. The weighting factor was then applied to each case so that the results of larger subdivisions were weighted more heavily than smaller subdivisions. Second, a weighting factor was applied to account for nonparticipating subdivisions. Estimates for these subdivisions were formulated by using the results of similar subdivisions that did participate in the 1984 survey. The estimates for nonparticipating subdivisions were included in the final computations of statewide estimates. Estimated weighting factors for the four nonparticipating subdivisions were computed as follows:

- Anne Arundel = ½ Prince George's County and ½ Baltimore County
- Kent County = Queen Anne's County
- Cecil County = ½ Harford County and ½ Queen Anne's County
- Talbot County = Queen Anne's County

TABLE 2

Maryland Adolescent Sample for the 1984 Survey

| Subdivision | Grade | (1) Sample Population | (2) Completed Questionnaires | (3) Valid Questionnaires | (3)/(1) Valid Percent of Enrollment | (3)/(2) Valid Percent of Completed Questionnaires |
|---|---|---|---|---|---|---|
| Allegany | 8 | 996 | 468 | 453 | 45.5 | 96.8 |
| | 10 | 1,067 | 449 | 428 | 40.1 | 95.3 |
| | 12 | 974 | 321 | 315 | 32.3 | 98.1 |
| | Total | 3,037 | 1,238 | 1,196 | 39.4 | 96.6 |
| Baltimore City | 8 | 9,079 | 973 | 750 | 8.3 | 77.1 |
| | 10 | 9,063 | 1,362 | 781 | 8.6 | 57.3 |
| | 12 | 5,997 | 1,056 | 858 | 14.3 | 81.3 |
| | Total | 24,139 | 3,391 | 2,389 | 9.9 | 70.5 |
| Baltimore County | 8 | 6,861 | 1,213 | 1,140 | 16.6 | 94.0 |
| | 10 | 7,259 | 1,136 | 1,070 | 14.7 | 94.2 |
| | 12 | 6,990 | 1,049 | 1,015 | 14.5 | 96.8 |
| | Total | 21,110 | 3,398 | 3,225 | 15.3 | 94.9 |
| Calvert | 8 | 631 | 637 | 599 | 94.9 | 94.0 |
| | 10 | 687 | 575 | 410 | 59.7 | 71.3 |
| | 12 | 601 | 423 | 404 | 67.2 | 95.5 |
| | Total | 1,919 | 1,635 | 1,413 | 73.6 | 86.4 |
| Caroline | 8 | 359 | 338 | 314 | 87.5 | 92.9 |
| | 10 | 342 | 301 | 264 | 77.2 | 87.7 |
| | 12 | 288 | 261 | 237 | 82.3 | 90.8 |
| | Total | 989 | 900 | 815 | 82.4 | 90.1 |
| Carroll | 8 | 1,697 | 634 | 564 | 33.2 | 89.0 |
| | 10 | 1,666 | 480 | 374 | 22.4 | 77.9 |
| | 12 | 1,514 | 319 | 278 | 18.4 | 87.1 |
| | | 4,877 | 1,433 | 1,216 | 24.9 | 84.9 |
| Charles | 8 | 1,391 | 844 | 813 | 58.4 | 96.3 |
| | 10 | 1,510 | 725 | 670 | 44.4 | 92.4 |
| | 12 | 1,247 | 439 | 388 | 31.1 | 88.4 |
| | Total | 4,148 | 2,008 | 1,871 | 45.1 | 93.2 |

TABLE 2

Maryland Adolescent Sample the for 1984 Survey
(Continued)

| Subdivision | Grade | (1) Sample Population | (2) Completed Questionnaires | (3) Valid Questionnaires | (3)/(1) Valid Percent of Enrollment | (3)/(2) Valid Percent of Completed Questionnaires |
|---|---|---|---|---|---|---|
| Dorchester | 8 | 424 | 381 | 345 | 81.4 | 90.6 |
| | 10 | 404 | 340 | 312 | 77.2 | 91.8 |
| | 12 | 365 | 301 | 292 | 80.0 | 97.0 |
| | Total | 1,193 | 1,022 | 949 | 79.5 | 92.9 |
| Frederick | 8 | 1,910 | 849 | 756 | 39.6 | 89.0 |
| | 10 | 1,963 | 483 | 443 | 22.6 | 91.7 |
| | 12 | 1,543 | 363 | 342 | 22.2 | 94.2 |
| | Total | 5,416 | 1,695 | 1,541 | 28.4 | 90.9 |
| Garrett | 8 | 444 | 395 | 366 | 82.4 | 92.7 |
| | 10 | 416 | 363 | 360 | 86.5 | 99.2 |
| | 12 | 294 | 249 | 247 | 84.0 | 99.2 |
| | Total | 1,154 | 1,007 | 973 | 84.3 | 96.6 |
| Harford | 8 | 2,421 | 848 | 754 | 31.1 | 88.9 |
| | 10 | 2,175 | 796 | 747 | 34.3 | 93.8 |
| | 12 | 2,017 | 695 | 680 | 33.7 | 97.8 |
| | Total | 6,613 | 2,339 | 2,181 | 33.0 | 93.2 |
| Howard | 8 | 2,068 | 738 | 693 | 33.5 | 93.9 |
| | 10 | 2,128 | 735 | 706 | 33.2 | 96.1 |
| | 12 | 1,921 | 729 | 694 | 36.1 | 95.2 |
| | Total | 6,117 | 2,202 | 2,093 | 34.2 | 95.0 |
| Montgomery | 8 | 7,287 | 1,487 | 1,400 | 19.2 | 94.1 |
| | 10 | 8,344 | 1,286 | 1,228 | 14.7 | 95.5 |
| | 12 | 7,765 | 1,110 | 1,083 | 13.9 | 97.6 |
| | Total | 23,396 | 3,883 | 3,711 | 15.9 | 95.6 |
| Prince George's | 8 | 9,291 | 942 | 778 | 8.4 | 82.6 |
| | 10 | 9,198 | 812 | 713 | 7.8 | 87.8 |
| | 12 | 8,134 | 746 | 676 | 8.3 | 90.6 |
| | Total | 26,623 | 2,500 | 2,167 | 8.1 | 86.7 |
| Queen Anne's | 8 | 399 | 371 | 352 | 88.2 | 94.9 |
| | 10 | 409 | 379 | 329 | 80.4 | 86.8 |
| | 12 | 356 | 301 | 292 | 82.0 | 97.0 |
| | Total | 1,164 | 1,051 | 973 | 83.6 | 92.6 |

TABLE 2

Maryland Adolescent Sample for the 1984 Survey
(Continued)

| Subdivision | Grade | (1) Sample Population | (2) Completed Questionnaires | (3) Valid Questionnaires | (3)/(1) Valid Percent of Enrollment | (3)/(2) Valid Percent of Completed Questionnaires |
|---|---|---|---|---|---|---|
| St. Mary's | 8 | 869 | 821 | 735 | 84.6 | 89.5 |
| | 10 | 885 | 756 | 717 | 81.0 | 94.8 |
| | 12 | 801 | 503 | 481 | 60.0 | 95.6 |
| | Total | 2,555 | 2,080 | 1,933 | 75.7 | 92.9 |
| Somerset | 8 | 296 | 238 | 180 | 60.8 | 75.6 |
| | 10 | 223 | 173 | 155 | 69.5 | 89.6 |
| | 12 | 232 | 141 | 133 | 57.3 | 94.3 |
| | Total | 751 | 552 | 468 | 62.3 | 84.8 |
| Washington | 8 | 1,547 | 778 | 715 | 46.2 | 91.9 |
| | 10 | 1,440 | 546 | 507 | 35.2 | 92.9 |
| | 12 | 1,392 | 432 | 398 | 28.6 | 92.1 |
| | Total | 4,379 | 1,756 | 1,620 | 37.0 | 92.3 |
| Wicomico | 8 | 904 | 494 | 461 | 51.0 | 93.3 |
| | 10 | 810 | 539 | 516 | 63.7 | 95.7 |
| | 12 | 730 | 396 | 389 | 53.3 | 98.2 |
| | Total | 2,444 | 1,429 | 1,366 | 55.9 | 95.6 |
| Worcester | 8 | 411 | 386 | 359 | 87.3 | 93.0 |
| | 10 | 414 | 299 | 279 | 67.4 | 93.3 |
| | 12 | 416 | 357 | 341 | 82.0 | 95.5 |
| | Total | 1,241 | 1,042 | 979 | 78.9 | 94.0 |
| Statewide Public | 8 | 49,285 | 13,835 | 12,527 | 25.4 | 90.5 |
| | 10 | 50,403 | 12,535 | 11,009 | 21.8 | 87.8 |
| | 12 | 43,577 | 10,191 | 9,543 | 21.9 | 93.6 |
| | | 143,265 | 36,561 | 33,079 | 23.1 | 90.5 |

| Grade | Total State Enrollment As Of September 30, 1984 | Total Final Sample | Sample Percent of Enrollment |
|---|---|---|---|
| 8 | 56,387 | 12,527 | 22.2 |
| 10 | 57,135 | 11,009 | 19.3 |
| 12 | 49,632 | 9,543 | 19.2 |

The private school results were not used in developing the statewide estimates. The weighting factors employed in computing statewide estimates are presented in Appendix B of this report by subdivision and grade level.

Three major reports, each under separate cover, were prepared to document the results of the 1984 survey, as follows:

- General Report--Includes a presentation and discussion of statewide and subdivision estimates of, as well as trends in, substance use among Maryland adolescents. In addition, the report includes a comparison of Maryland results with nationwide studies.

- Report On Alcohol Use--Includes a presentation and discussion of state-wide and subdivision estimates of, as well as trends in, alcohol use among Maryland adolescents.

- Report On Drug Knowledge And Attitudes--Includes a presentation and discussion of responses related to drug knowledge, attitudes toward drugs, and trends in both drug knowledge and attitudes.

It should be noted that the weighting procedures described above were applied in computing statewide estimates presented in all three reports. In addition, estimates contained in most tables are reported for three age groups--young, middle, and late adolescents. The category "young adolescents" represents students surveyed in 8th grade, with a median age of 13 years. "Middle adolescents" refers to students in 10th grade, with a median age of 15 years. "Late adolescents" refers to those surveyed in 12th grade, with a median age of 17 years. Throughout the reports, "substance" is defined as any drug surveyed excluding cigarettes, "any drug" refers to all drugs surveyed excluding alcohol and cigarettes. Terms related to the frequency of drug use are defined as follows:

| "Ever Used" | "Current Use" | "Frequent Use" |
|---|---|---|
| Used or Tried but not Currently Using | | |
| Use Less than Once a Month | Use Less than Once a Month | |
| Use Once a Month | Use Once a Month | |
| Use Once a Week | Use Once a Week | |
| Use Several Times a Week | Use Several Times a Week | Use Several Times a Week |
| Use Once or More a Day | Use Once or More a Day | Use Once or More a Day |

For all drugs except alcohol, usage levels are derived from questions 64-76. Alcohol usage in the General Report is based on question 77, which is comparable to the other drug usage questions. In the Alcohol Report, however, usage is determined based on questions 78, 80, and 82, which deal with beer, wine, and hard liquor, respectively. The impact of the differences is that the Alcohol Report focuses on adolescents who have used alcohol in the past year, while the General Report focuses on those who classify themselves as current users. Many adolescents who do not consider themselves current alcohol users have in fact used alcohol in the past year.

* * * *

This report--the General Report--presents the statewide results of the 1984 survey of drug abuse among Maryland adolescents. The results are organized into three sections:

- Statewide and Subdivision Estimates of Substance Use
- Trends in Substance Use Among Maryland Adolescents from 1978 to 1984
- Comparison of Maryland Results with Nationwide Studies

## RESULTS

### 1. STATEWIDE AND SUBDIVISION ESTIMATES OF SUBSTANCE USE AMONG MARYLAND ADOLESCENTS

This section of the General Report consists of a presentation and brief discussion of statewide and subdivision estimates computed from the 1984 survey. Statewide estimates are furnished in twelve tables organized into three major parts: (1) Substances Used by Maryland Adolescents, (2) the Severity of Substance Abuse Among Maryland Adolescents, and (3) the Demography of Substance Abuse Among Maryland Adolescents. The fourth part of this section consists of a series of tables presenting subdivision-specific estimates of substances used by adolescents.

(1) Substances Used By Maryland Adolescents

Table 3 presents the percentage of Maryland adolescents who reported using each of thirteen substances, excluding alcohol[1/], on a statewide basis. For each age group surveyed, usage is broken down by self-reported frequency of use. The median age of first use is also presented.

Cigarettes are the most frequently used substance among young, middle, and late adolescents, with 17.4, 26.4 and 29.2 percent reporting current use, respectively. Marijuana is clearly the most popular of all other substances; just under one-fifth (19.1 percent) of young adolescents report having tried ("ever used") marijuana. Half of these youths first used marijuana by the time they were 12 years old. By middle adolescence, two-fifths (40.6 percent) of the State's adolescent population are estimated to have tried marijuana and by late adolescence, 55.6 percent report having used this substance. Marijuana is also favored by youths who report current use of drugs. Although 9.3 percent of young adolescents are currently using marijuana, 3 out of 10 (30.0 percent) of late adolescents report current use. More striking is the differential in the percentage of those reporting frequent marijuana use (use of marijuana several times a week or more often) between young and late adolescents. While only 3.5 percent of the young adolescents use the substance frequently, 12.8 percent of late adolescents report frequent use of marijuana.

The use of hashish, a concentrated resinous substance produced from the marijuana plant, is also prevalent among Maryland adolescents; 3.1 percent of young adolescents, 7.9 percent of middle adolescents, and 11.9 percent of late adolescents report current use of hashish.

Amphetamines and methamphetamines, i.e., stimulants, are reportedly the next most frequently used substances for each age group. Among young adolescents, 7.2 percent have tried methamphetamines. One half of the youths who have used amphetamines and/or methamphetamines first used them

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[1/] Although questions on the use of alcohol were included in the 1984 survey, a separate report on alcohol use was prepared. Alcohol is excluded from most tables in this report.

TABLE 3

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use--Statewide Estimates--1984 Survey

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 19.1 | 9.3 | 3.5 | 12 | 40.6 | 22.6 | 9.4 | 13 | 55.6 | 30.0 | 12.8 | 14 |
| Tranquilizers | 5.3 | 2.7 | 1.0 | 12 | 11.2 | 5.5 | 1.8 | 13 | 14.7 | 6.4 | 1.5 | 14 |
| Quaaludes | 4.2 | 2.4 | 0.9 | 12 | 9.3 | 4.5 | 1.4 | 13 | 12.8 | 5.6 | 1.4 | 14 |
| Amphetamines | 7.2 | 3.8 | 1.5 | 12 | 16.9 | 8.0 | 2.5 | 13 | 24.7 | 9.8 | 2.8 | 14 |
| Cigarettes | 41.5 | 17.4 | 9.7 | 10 | 55.9 | 26.4 | 18.0 | 12 | 60.5 | 29.2 | 22.4 | 13 |
| Heroin | 3.6 | 2.4 | 1.0 | 11 | 5.2 | 3.3 | 1.6 | 12 | 5.2 | 3.2 | 1.6 | 14 |
| Cocaine | 5.7 | 3.1 | 1.2 | 12 | 12.4 | 6.8 | 1.8 | 14 | 19.9 | 10.7 | 2.2 | 16 |
| Hashish | 5.1 | 3.1 | 1.1 | 12 | 14.7 | 7.9 | 2.2 | 14 | 24.8 | 11.9 | 2.3 | 14 |
| Hallucinogens | 3.9 | 2.3 | 0.9 | 11 | 8.7 | 4.8 | 1.5 | 14 | 11.7 | 5.7 | 1.3 | 15 |
| Barbiturates | 5.3 | 2.9 | 1.0 | 12 | 10.9 | 5.2 | 1.5 | 13 | 13.6 | 5.4 | 1.6 | 14 |
| Solvents | 9.3 | 3.9 | 1.3 | 11 | 11.2 | 4.8 | 1.7 | 12 | 9.3 | 3.5 | 1.4 | 12 |
| Methamphetamines | 6.7 | 3.7 | 1.4 | 12 | 16.7 | 8.9 | 2.6 | 13 | 23.5 | 9.7 | 2.7 | 14 |
| PCP | 3.5 | 2.3 | 1.0 | 12 | 7.3 | 4.5 | 1.6 | 14 | 10.9 | 5.7 | 2.2 | 15 |

1/Excluding Alcohol.

at or before 12 years of age. Slightly less than 4.0 percent of young adolescents report current use of each of these substances. The use of stimulants increases with age. Just under one-fourth (24.7 percent) of late adolescents and 16.9 percent of middle adolescents report having tried amphetamines. The percentage of youths who tried methamphetamines was almost as high--23.5 percent and 16.7 percent for late and middle adolescents, respectively.

Cocaine is the next most prevalent substance, especially among late and middle adolescents. Nearly one-fifth (19.9 percent) of late adolescents report having tried cocaine. Current use of cocaine (10.7 percent) is higher than that of amphetamines and methamphetamines for late adolescents. Among middle adolescents 6.8 percent report current use, slightly less than for stimulants. A dramatic difference exists between young adolescents and the other youths. Young adolescents report that only 5.7 percent have tried cocaine and 3.1 percent currently use it.

A substantial percentage of late adolescents reported current use of quaaludes, tranquilizers, barbiturates, and hallucinogens. These substances are currently being used by roughly 5.0 to 7.0 percent of this age group. Middle adolescents report that 4.5 to 5.5 percent currently use the same substances. Additionally, phencyclidine (PCP), a particularly dangerous substance, has been tried by 7.3 percent and 10.9 percent of middle and late adolescents, respectively. This substance is currently being used by 4.5 percent of middle adolescents and 5.7 percent of late adolescents.

Generally, Table 3 indicates that the current use of specific substances, not including heroin and solvents, increases from young to middle to late adolescence. Table 4 shows that current use of <u>any</u> drug follows the same pattern; 12.2 percent of young adolescents, 26.1 percent of middle adolescents, and 33.3 percent of late adolescents report current use of one or more drugs, excluding cigarettes and alcohol. The number of drugs per user, though, does not follow this trend. Among current users, the average young adolescent used 3.4 drugs. Middle and late adolescents used about the same level, averaging 3.3 and 3.2 drugs per user, respectively. There is no apparent trend, also, among youths

reporting frequent use of substances listed in Table 3. Only in the case of cigarettes, marijuana, cocaine, and amphetamines is there a clear increase in the percentage of frequent users with age. In all other instances the percentage of youths reporting frequent use of specific substances peaks in middle adolescence and generally levels off in late adolescence.

TABLE 4

Percent of Maryland Adolescents Who Currently Use Drugs or Alcohol--Statewide Estimates--1984 Survey

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug 1/ | 12.2 | 26.1 | 33.3 |
| Current Use of Any Substance 2/ | 28.4 | 55.6 | 70.1 |
| Current Use of Alcohol | 25.6 | 52.1 | 66.6 |
| Current Use of Alcohol and One or More Drugs 2/ | 9.4 | 22.6 | 29.7 |
| Mean Number of Drugs | 3.4 | 3.3 | 3.2 |

1/ Excluding cigarettes and alcohol.

2/ Excluding cigarettes.

(2) The Severity of Substance Abuse Among Maryland Adolescents

Although the infrequent use of any substance by an adolescent might be classified as a manifestation of some "problem," the frequent use, i.e., several or more times a week, of any of the substances (excluding cigarettes) investigated in this survey, more likely reflects a drug problem. Table 5 presents the percentage of young, middle, and late adolescents who reported frequent use of any drug, any substance, alcohol, and both alcohol and drugs. The results indicate that 5.0 percent of young adolescents reported frequent use of a nonalcoholic drug. By late adolescence, frequent use of nonalcoholic drugs reaches 15.4 percent. When alcohol is included, frequent substance use ranges from 8.0 percent among young adolescents to 24.7 percent among late adolescents. Almost

one-fifth of the late adolescents reported using alcohol several times a week. The frequent use of both drugs and alcohol, although not necessarily on the same occasion, is also notable among middle and late adolescents, of whom 5.8 and 8.3 percent, respectively, report using both substances frequently. It is evident from these use patterns that frequent use of drugs and alcohol increases appreciably with age.

TABLE 5

Percent of Maryland Adolescents Who Frequently Use Drugs or Alcohol--Statewide Estimates--1984 Survey

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Frequent Use of Any Drug 1/ | 5.0 | 12.0 | 15.4 |
| Frequent Use of Any Substance 2/ | 8.0 | 17.2 | 24.7 |
| Frequent Use of Alcohol | 5.7 | 11.0 | 17.5 |
| Frequent Use of Alcohol and One or More Drugs 2/ | 2.7 | 5.8 | 8.3 |

1/ Excluding cigarettes and alcohol.
2/ Excluding cigarettes.

Table 3, presented earlier, provides additional insights into the patterns of frequent use of individual substances, with the exception of alcohol and cigarettes. Marijuana is the most widespread, frequently used substance across all age groups. Hashish and stimulants are also used several times a week or more by a sizable percentage of middle and late adolescents; frequent use of hashish is reported by 2.3 percent and frequent use of stimulants by more than 2.5 percent of the two age groups. Cocaine is used frequently by 2.2 percent of the late adolescents and by 1.8 percent of middle adolescents.

TABLE 6

Percentage Distribution of Maryland Adolescents by Number of Times "High" or "Stoned" On Any Drug[1/] During the Past Year--1984 Survey

| | Young Adolescents | | | Middle Adolescents | | | Late Adolescents | | |
|---|---|---|---|---|---|---|---|---|---|
| | Current Users | Frequent Users | All Young Adolescents | Current Users | Frequent Users | All Middle Adolescents | Current Users | Frequent Users | All Late Adolescents |
| Not "high" or "stoned" during past year | 21.0 | 14.4 | 88.5 | 11.0 | 9.9 | 72.5 | 10.1 | 5.9 | 64.0 |
| "High or "stoned" 1-4 times during past year | 26.8 | 18.7 | 5.5 | 26.3 | 12.8 | 11.4 | 23.6 | 11.5 | 13.9 |
| "High" or "stoned" 5-10 times during past year | 13.0 | 7.4 | 1.7 | 13.7 | 6.9 | 3.9 | 12.4 | 4.3 | 4.5 |
| "High" or "stoned" more than 10 times during past year | 39.2 | 59.5 | 4.3 | 49.0 | 70.4 | 12.2 | 53.9 | 78.3 | 17.6 |
| TOTAL | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

1/ Excluding Alcohol.

TABLE 7

Percent of Maryland Adolescents Reporting
Drug Related Problems--Statewide Estimates--1984 Survey

| Type of Problem | Young Adolescents | | | Middle Adolescents | | | Late Adolescents | | |
|---|---|---|---|---|---|---|---|---|---|
| | All Student | Current Users | Frequent Users | All Student | Current Users | Frequent Users | All Student | Current Users | Frequent User |
| Absences from School | 4.4 | 25.2 | 39.9 | 8.3 | 25.6 | 39.2 | 12.1 | 29.4 | 45.6 |
| Health Problems | 3.6 | 18.0 | 27.7 | 5.2 | 14.2 | 19.9 | 6.7 | 14.5 | 20.7 |
| School Problems | 4.0 | 21.9 | 33.3 | 7.4 | 22.5 | 32.0 | 9.7 | 22.6 | 32.7 |
| Family Problems | 4.6 | 22.4 | 34.2 | 7.7 | 22.3 | 31.3 | 10.2 | 22.4 | 33.2 |
| Legal Problems | 3.1 | 17.1 | 29.3 | 5.0 | 14.8 | 23.2 | 5.8 | 14.0 | 23.0 |
| Admitted to Emergency Room Because of Drugs | 2.2 | 12.0 | 22.4 | 3.3 | 9.0 | 14.6 | 3.3 | 7.0 | 11.4 |
| Received Treatment Because of Drugs | 2.2 | 11.8 | 20.1 | 3.3 | 9.6 | 15.4 | 3.6 | 7.8 | 12.6 |
| Any Type of Problem | 9.3 | 45.6 | 60.6 | 16.1 | 45.5 | 62.5 | 20.9 | 47.0 | 65.6 |

Another measure of the abuse of drugs is the number of times Maryland adolescents were "high" or "stoned" during the past year. Table 6 presents the number of occasions that respondents reported being "stoned" or "high" for young, middle, and late adolescents. Generally, it was found that for both "frequent" and "current users," the number of adolescents getting "high" or "stoned" increases as they get older.

The contrast in numbers of times "stoned" or "high" between frequent, current users, and all young, middle, and late adolescents is striking. For each age group, the modal number of occasions "stoned" or "high" for all adolescents is zero (i.e., 88.5, 72.5, and 64.0 percent for young, middle, and late adolescents, respectively). On the other hand, the modal number of occasions "stoned" or "high" for frequent users is "more than 10" for each age group (i.e., 59.5, 70.4, and 78.3 percent of young, middle, and late adolescent frequent users, respectively). If one is a frequent user or a current user, the chances of getting "stoned" or "high" at least once a month are great.

The severity of substance abuse among Maryland adolescents can be addressed not only by examining patterns of frequent use but also by analyzing whether adolescents experience a range of problems as a result of their involvement with drugs. Table 7 presents the percentage of young, middle, and late adolescents who reported having experienced problems with school absences, health, school, family, the law, and whether they were admitted to an emergency room or received treatment because of drugs. Of the 9.3 percent of young adolescents who had some type of drug related problem, the most common were family problems (4.6 percent). Absences from school followed closely by family problems were the most common problems for both middle and late adolescents. The frequency of occurrence of each type of problem increases with age for all the problems except for drug-related emergency room episodes, which seem to level off for middle and late adolescents. One-fifth (20.9 percent) of late adolescents reported a drug-related problem, while under one-tenth (9.3 percent) of young adolescents reported any drug related problems.

Current users and frequent users of any drug do not show the same trend of increased percentages reporting drug-related problems across age groups. In fact, more serious problems like legal problems, health problems, and emergency

room episodes show a downward trend across age groups among current and frequent users. Over one-fifth (22.4 percent) of young adolescents who frequently used any drug reported emergency room episodes, while nearly one-half that amount (11.4 percent) of late adolescent frequent users reported emergency room episodes. This finding along with similar results for other serious problems suggests that older adolescents who frequently use drugs may have learned to avoid certain types of problems.

Frequent users reported, without exception, more drug related problems than did current users and all students of the same ages. Over 60.0 percent of frequent users of all ages indicated that they had some drug related problems. The percentage of all students reporting any type of drug-related problem was less than 21.0 percent.

(3) The Demography of Substance Abuse Among Maryland Adolescents

Several demographic characteristics were found to be associated with drug abuse among Maryland adolescents including: sex, plans to attend college, grade average, number of siblings, father's and mother's education, and weekly spending money. One demographic characteristic not related to current drug use among Maryland adolescents was race.

There was little relationship between current drug use and race, although a slightly higher percentage of young adolescent blacks reported current use of drugs (13.4 percent) than did whites (11.2 percent). But among middle and late adolescents, higher percentages of whites than blacks reported current use of drugs (27.0 and 33.8 percent of whites, and 24.1 and 32.8 percent of blacks, respectively). The differing results for young, middle and late adolescents suggest no consistent association between race and current drug use.

Tables 8a and 8b present the percentage of current drug users by sex. For all age groups, greater percentages of males than females reported current use of each drug type, except cigarettes. (See Table 8b.) Higher percentages of female adolescents reported smoking cigarettes than did males (15.4 percent male, 19.2 percent female for young adolescents; 22.4 percent male, 30.2 percent

TABLE 8a
Percent of Maryland Adolescents Reporting Current Use
of Any Drug By Sex--1984 Survey

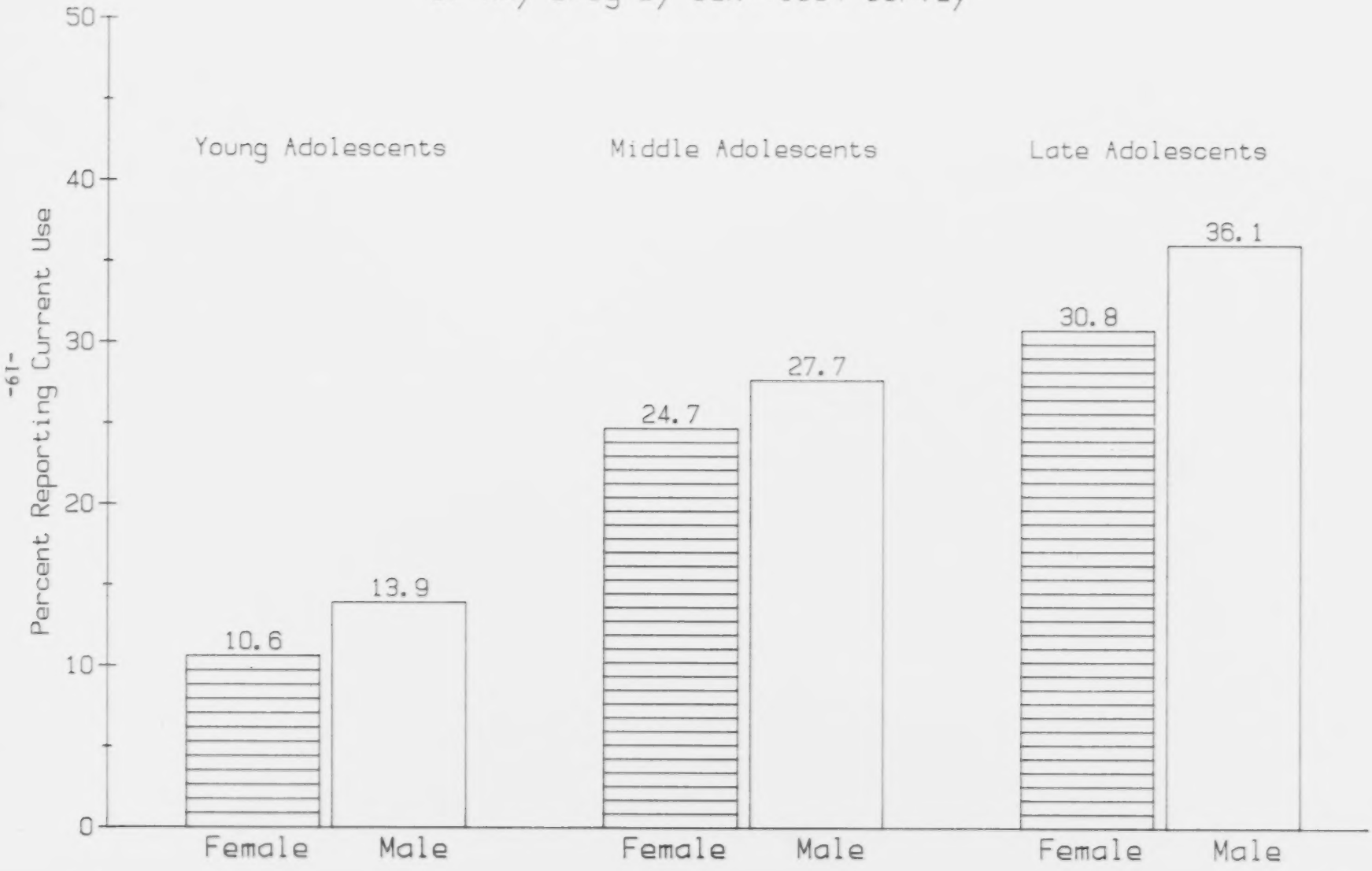


TABLE 8b

Percent of Maryland Adolescents Currently Using Substances 1/ by Sex--Statewide Estimates--1984 Survey

| | Young Adolescents | | Middle Adolescents | | Late Adolescents | |
|---|---|---|---|---|---|---|
| Substances | Male | Female | Male | Female | Male | Female |
| Marijuana | 10.8 | 7.9 | 24.5 | 21.0 | 33.0 | 27.3 |
| Tranquilizers | 3.7 | 1.8 | 6.3 | 4.8 | 8.9 | 4.2 |
| Quaaludes | 3.4 | 1.4 | 5.7 | 3.2 | 7.9 | 3.5 |
| Amphetamines | 4.8 | 2.9 | 8.4 | 7.6 | 11.1 | 8.8 |
| Cigarettes | 15.4 | 19.2 | 22.4 | 30.2 | 23.8 | 34.1 |
| Heroin | 3.5 | 1.2 | 4.8 | 1.9 | 5.3 | 1.4 |
| Cocaine | 4.8 | 1.7 | 8.6 | 5.2 | 13.8 | 8.0 |
| Hashish | 4.5 | 1.8 | 9.9 | 5.8 | 15.8 | 8.5 |
| Hallucinogens | 3.3 | 1.2 | 6.3 | 3.4 | 8.7 | 3.0 |
| Barbiturates | 3.7 | 2.0 | 6.2 | 4.2 | 7.3 | 3.5 |
| Solvents | 5.0 | 2.8 | 6.5 | 3.0 | 5.6 | 1.6 |
| Methamphetamines | 4.7 | 2.7 | 9.4 | 8.4 | 10.7 | 8.6 |
| PCP | 3.3 | 1.2 | 6.1 | 3.0 | 8.2 | 3.5 |

1/ Excluding Alcohol.

female for middle adolescents; and 23.8 percent male, 34.1 percent female for late adolescents). Also, more males than females reported current use of any drug (excluding cigarettes and alcohol).

A young person's plans to attend college were found to be closely related to drug use. As shown in Table 9, for all adolescent age groups those who did not plan to attend college reported the greatest percentages of current drug use (27.2, 44.0, and 45.8 percent for young, middle, and late adolescents, respectively). Those "not sure" about their plans, followed by those with plans to attend college, reported progressively smaller percentages of current use.

Table 10 depicts the association of grade average with use of drugs. For young, middle, and late adolescents, an inverse relationship can be observed between self-reported scholastic performance and current use of drugs. On the one hand, of those reporting a failing grade average in school, 40.6 percent of young adolescents, 58.8 percent of middle adolescents, and 67.1 percent of late adolescents also reported current use of some drug. On the other hand, young, middle, and late adolescents reporting excellent grades had the lowest percentages of current drug use--6.8 percent, 14.7 percent, and 24.9 percent, respectively.

Family characteristics and composition are often considered to be key factors influencing adolescent drug use. Tables 11 through 13 depict the relationship between several family-related factors and current drug use.

Table 11 presents the percent of young, middle, and late adolescents of various family sizes who report current drug use. In each adolescent age group, current use of drugs was higher for adolescents from large families with five or more siblings: 20.3 percent of young adolescents, 35.7 percent of middle adolescents, and 42.9 percent of late adolescents reported current use. Adolescents with no siblings also reported relatively high percentages of current drug use (4.0 percent, 29.8 percent, and 37.8 percent for each age group, respectively).

TABLE 9

Percent of Maryland Adolescents Reporting Current Use of Any Drug
By Plans To Attend College--1984 Survey

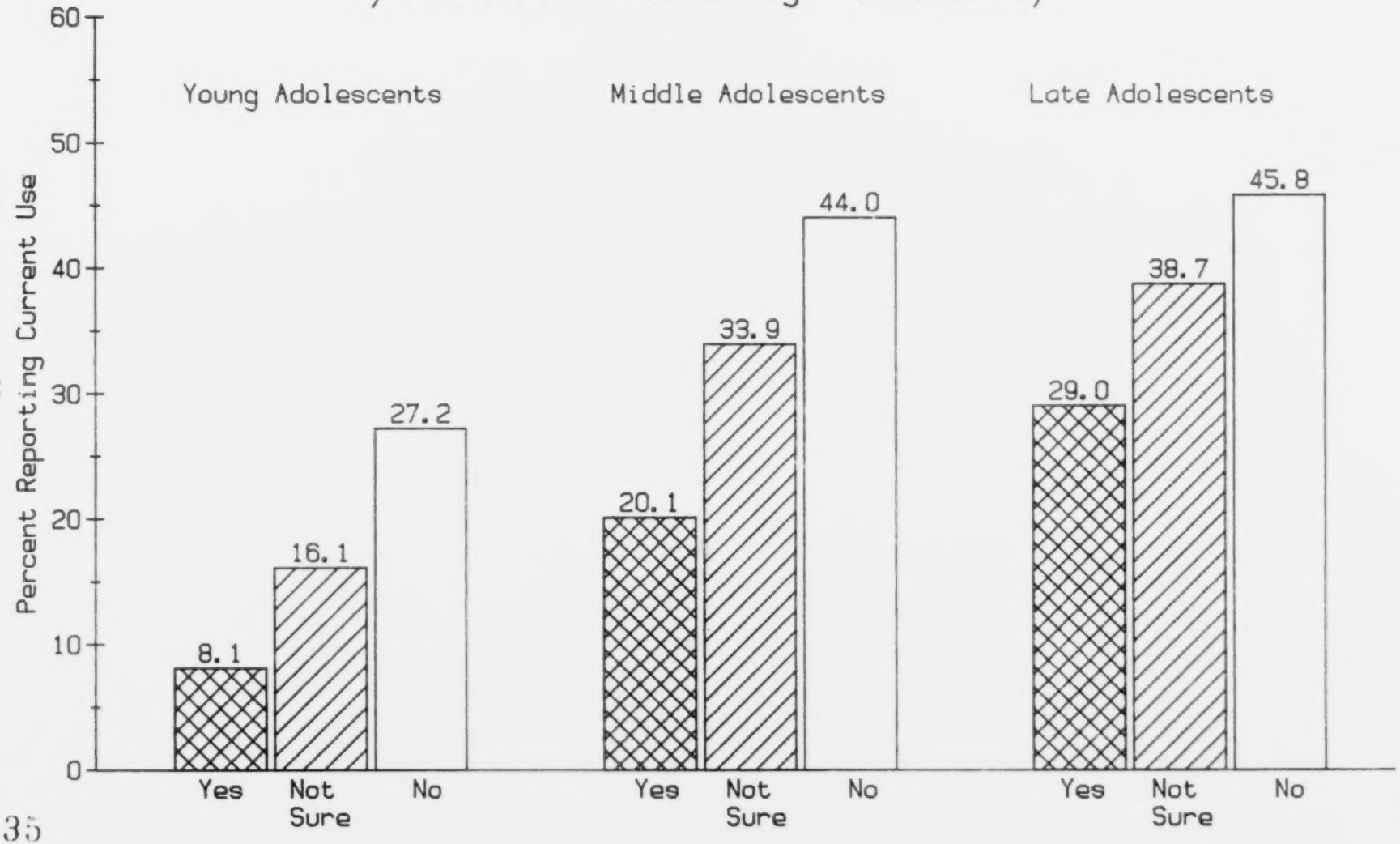


TABLE 10

Percent of Maryland Adolescents Reporting Current Use of Any Drug
By Grade Average Last Year--1984 Survey

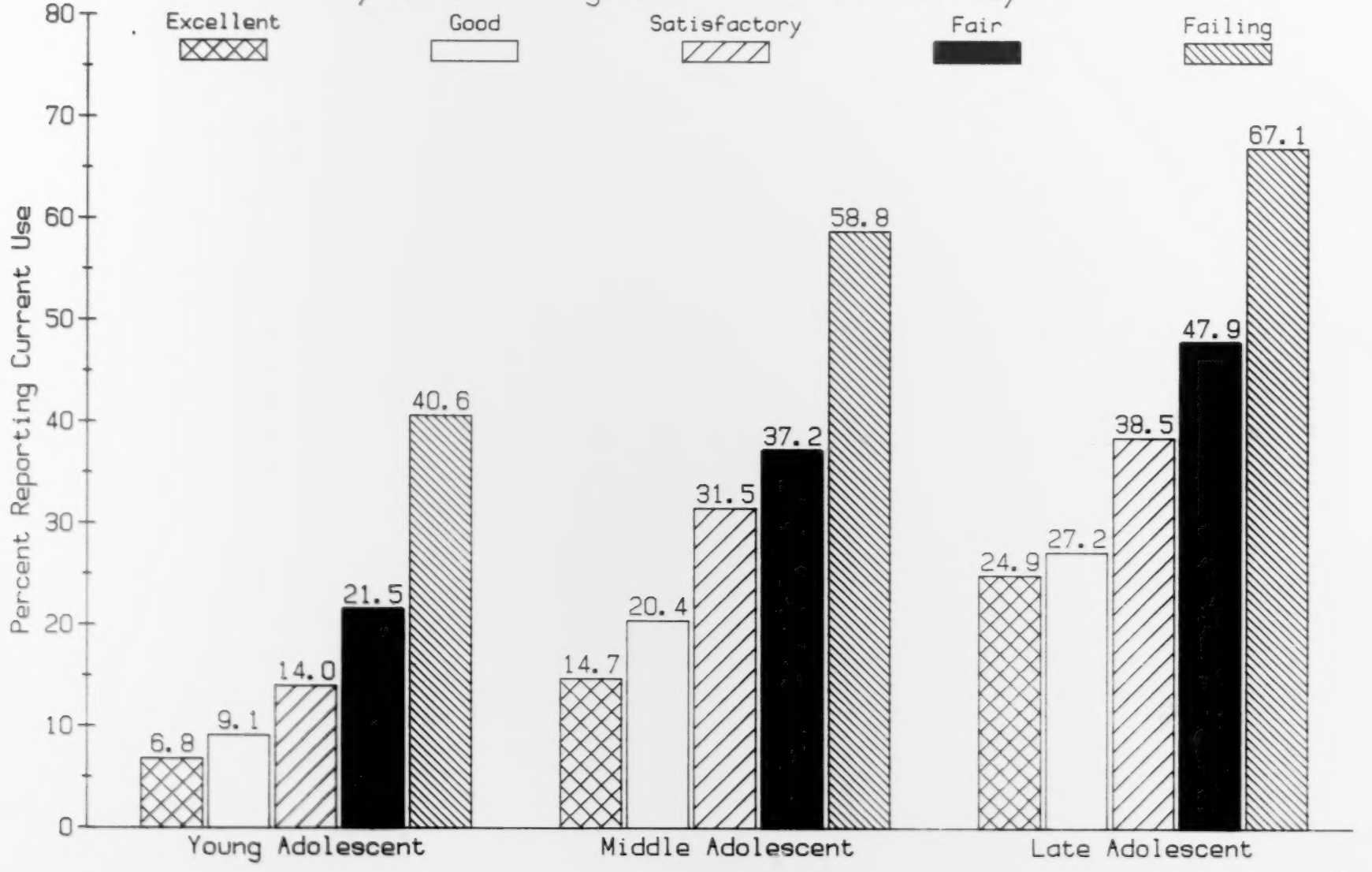
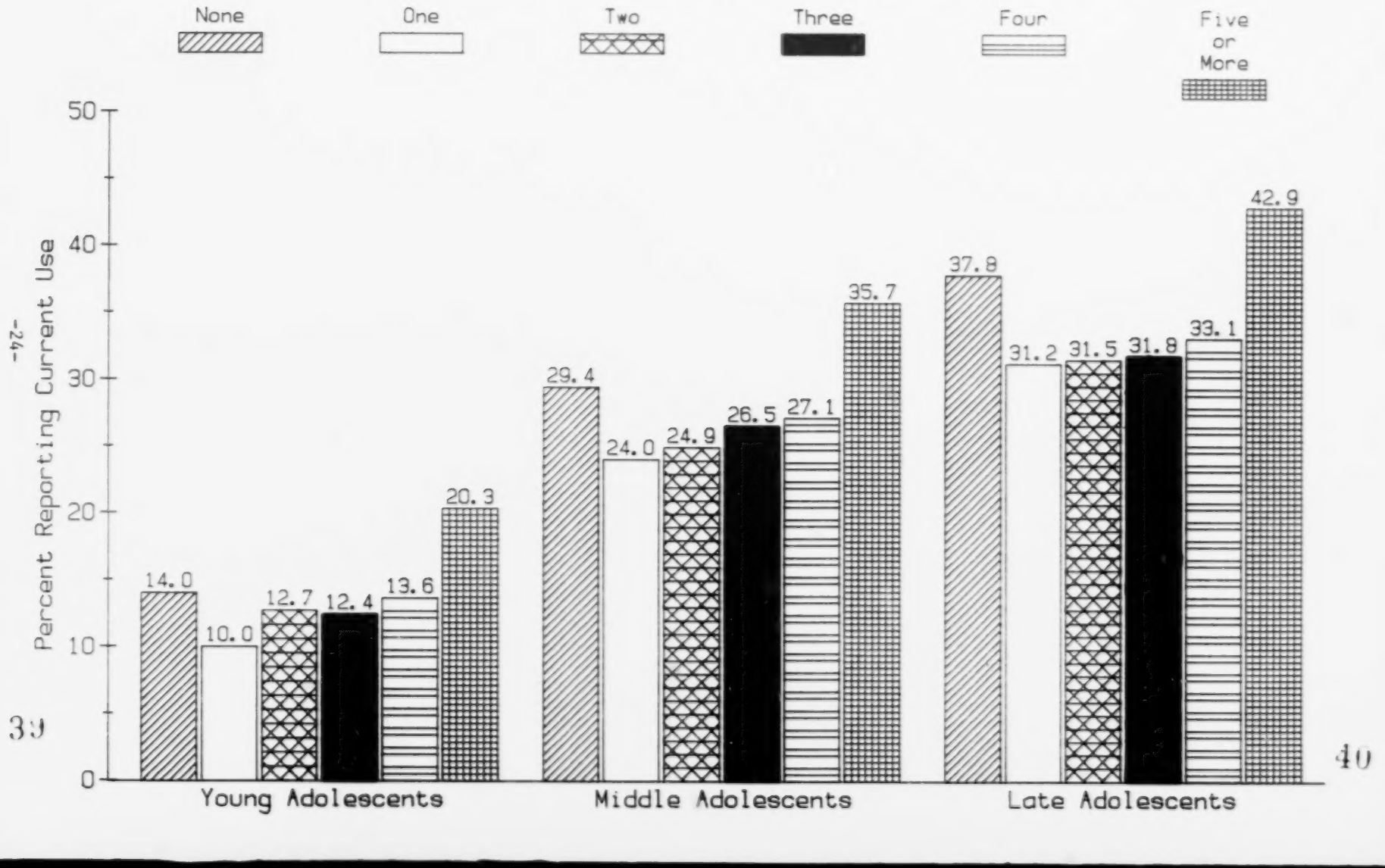


TABLE 11

Percent of Maryland Adolescents Reporting Current Use of Any Drug
By Number of Siblings--1984 Survey



An inverse relationship exists between father's and mother's education and current drug use. Table 12 illustrates this, using father's education. The table suggests that the more education parents have, the lower the percentage of current use across all adolescent age groups. For example, 28.9 percent of young adolescents whose fathers had completed less than seventh grade used drugs, while only 8.3 percent of young adolescents whose fathers attended graduate school reported current drug use. For middle adolescents, the difference in drug use is even more dramatic, with 44.4 percent and 21.1 percent reporting current use, respectively. A similar pattern, although less marked, is true for late adolescents. The results were very similar for mother's education. One-quarter (25.9 percent) of young adolescents whose mothers had completed less than seventh grade reported current use, while 9.5 percent of those whose mothers had graduated college reported current use. Of the middle adolescents, 43.4 percent of those with mothers who had completed less than the seventh grade indicated current use. Of those with mothers who had done graduate work, 21.0 percent reported current use. Again, the results are similar although less striking for late adolescents.

Current use of drugs is also related to the amount of weekly spending money available to the adolescent. Table 13 presents the percentage currently using drugs based on the amount of weekly spending money available. Amounts range from less than $5.00 to $40.00 or more. The Table shows a strong, direct relationship between available spending money and current use of drugs in each adolescent age group. The percentage of current users among youths with $40.00 or more weekly spending money is 31.3 percent for young adolescents, 42.5 percent for middle adolescents, and 46.5 percent for late adolescents. In contrast, only 5.9 percent of young, 15.4 percent of middle, and 17.1 percent of late adolescents who have less than $5.00 per week to spend reported current use of drugs. In addition, late adolescents have more spending money on the average than both young and middle adolescents. The average young and middle adolescent in Maryland had between $5.00 and $9.99 to spend weekly. The average late adolescent had between $10.00 and $19.99 to spend weekly.

TABLE 12

Percent of Maryland Adolescents Reporting Current Use of Any Drug
By Father's Education--1984 survey

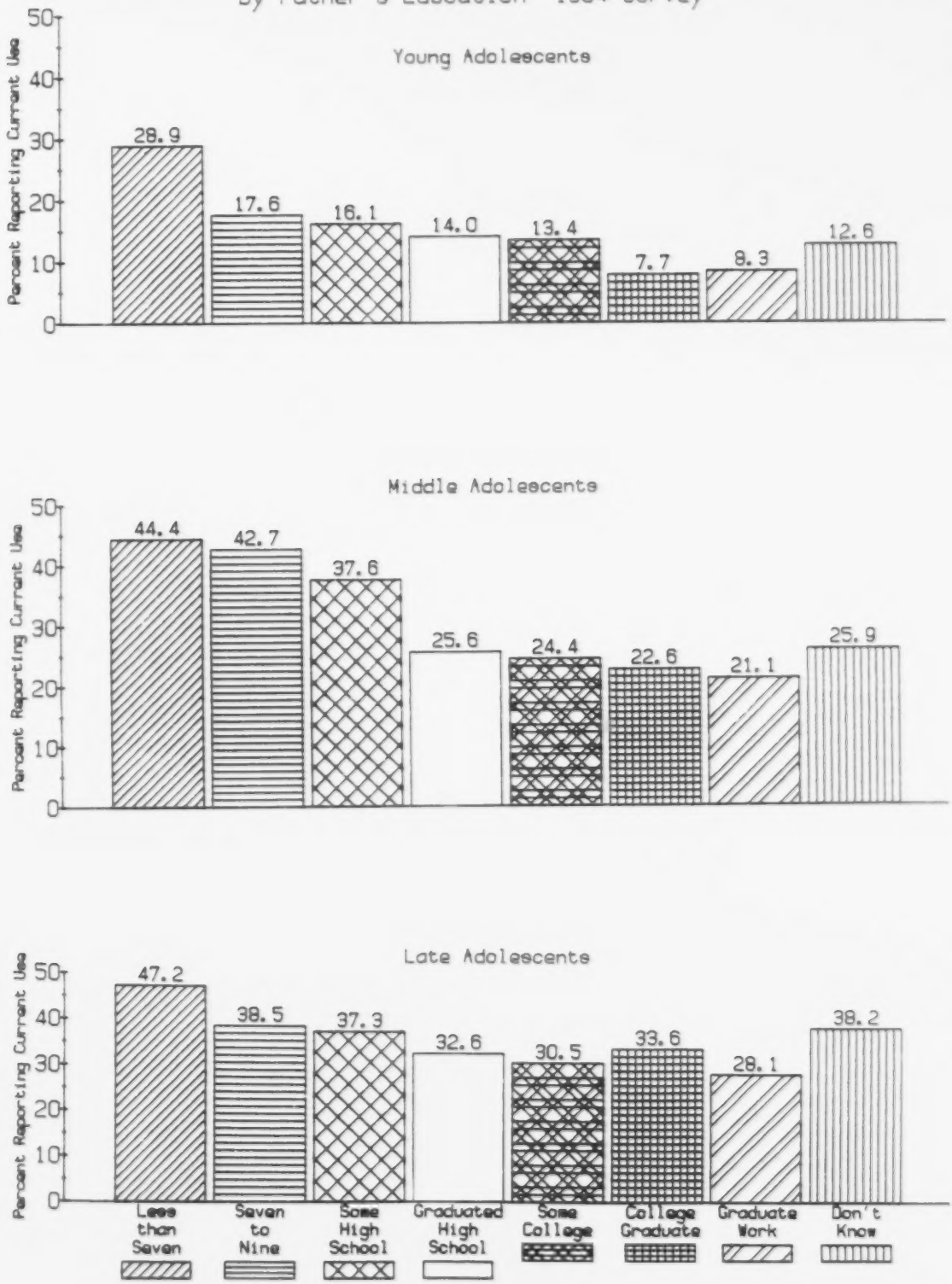
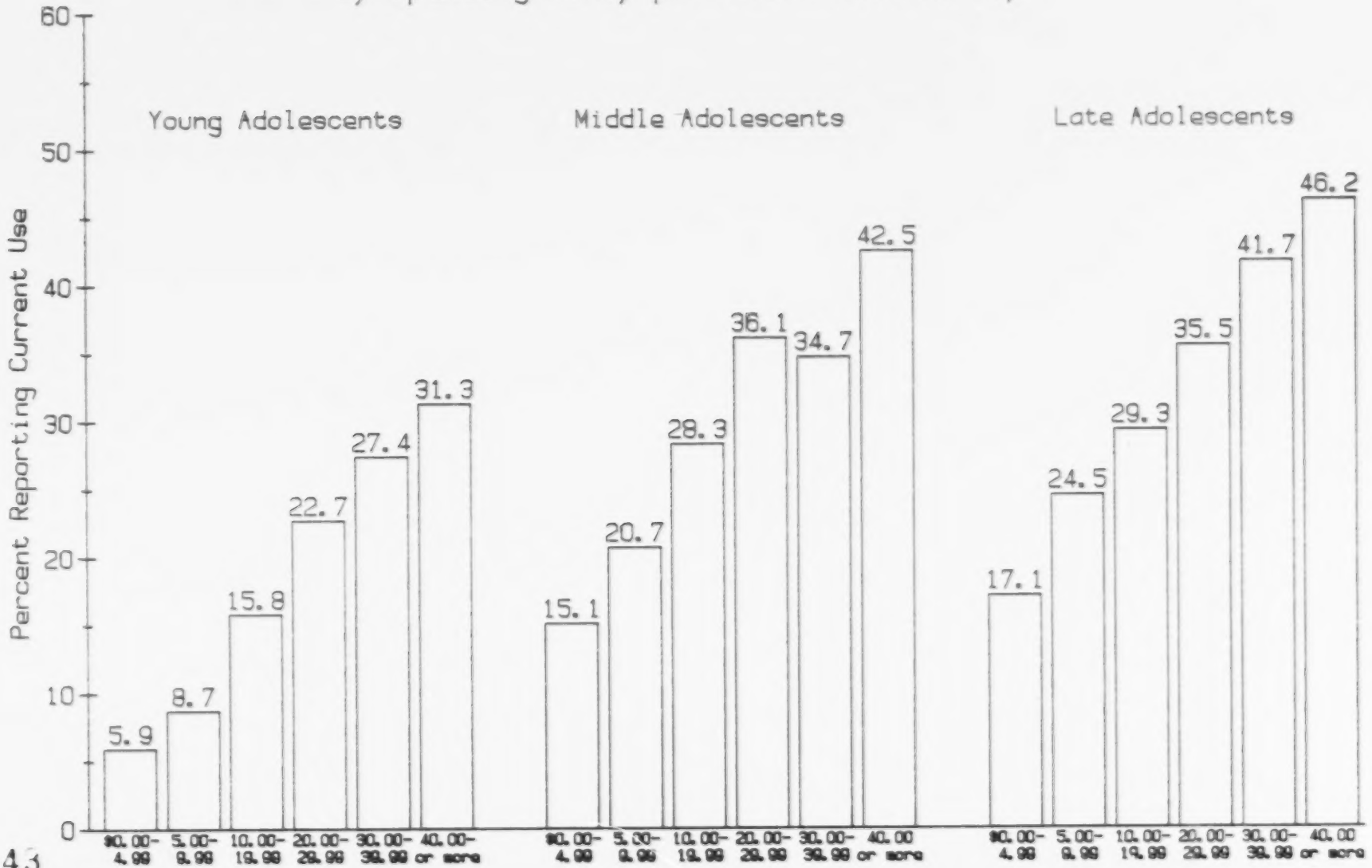


TABLE 13

Percent of Maryland Adolescents Reporting Current Use of Any Drug
By Spending Money per Week--1984 Survey



(4) Substances Used By Maryland Adolescents In Each Subdivision

Tables 14 though 33 present estimates of substances used by young, middle, and late adolescents for each subdivision. Each subdivision-specific table includes percentages of self-reported frequency of use of thirteen substances and the median age of first use of each substance. In addition, the percent of subdivision adolescents reporting current drug use and the mean number of drugs per user in each age group are included.

TABLE 14

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Allegany County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 15.0 | 7.3 | 4.0 | 12 | 35.0 | 21.6 | 8.5 | 13 | 53.7 | 28.6 | 13.7 | 14 |
| Tranquilizers | 5.3 | 4.0 | 1.1 | 11 | 12.7 | 7.5 | 2.8 | 13 | 18.1 | 7.9 | 2.3 | 14 |
| Quaaludes | 5.1 | 3.1 | 1.6 | 11 | 9.7 | 5.9 | 2.6 | 13 | 11.4 | 5.7 | 1.6 | 14 |
| Amphetamines | 10.0 | 6.5 | 2.7 | 12 | 23.1 | 10.2 | 4.0 | 13 | 35.4 | 14.1 | 3.2 | 14 |
| Cigarettes | 41.5 | 19.3 | 9.3 | 11 | 54.4 | 28.7 | 20.2 | 12 | 60.8 | 27.0 | 19.5 | 12 |
| Heroin | 3.8 | 2.9 | 1.4 | 11 | 7.3 | 5.9 | 3.1 | 12 | 5.4 | 3.8 | 1.2 | 14 |
| Cocaine | 5.8 | 4.0 | 2.0 | 12 | 10.6 | 6.4 | 2.5 | 14 | 16.8 | 8.5 | 2.0 | 16 |
| Hashish | 6.6 | 4.0 | 1.7 | 12 | 16.0 | 9.2 | 2.8 | 13 | 25.2 | 12.5 | 1.9 | 15 |
| Hallucinogens | 5.5 | 4.0 | 1.6 | 11 | 11.3 | 8.7 | 4.5 | 13 | 14.9 | 8.2 | 1.2 | 15 |
| Barbiturates | 6.6 | 4.8 | 1.7 | 12 | 16.0 | 9.4 | 3.5 | 13 | 20.0 | 8.9 | 2.3 | 14 |
| Solvents | 10.8 | 4.4 | 1.7 | 11 | 18.2 | 7.8 | 2.9 | 12 | 13.1 | 5.4 | 1.6 | 13 |
| Methamphetamines | 8.8 | 5.5 | 3.5 | 12 | 23.9 | 13.5 | 4.9 | 13 | 34.2 | 14.7 | 3.5 | 15 |
| PCP | 4.4 | 3.3 | 1.1 | 11 | 7.3 | 5.4 | 3.1 | 12 | 7.6 | 5.1 | 1.6 | 14 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 10.4 | 25.5 | 31.4 |
| Mean Number of Drugs Per User[2/] | 5.2 | 4.3 | 3.9 |

[1/]Excluding Alcohol.

[2/]Excluding cigarettes and alcohol

TABLE 15

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Baltimore City

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 32.8 | 16.2 | 7.1 | 12 | 57.6 | 32.0 | 15.9 | 13 | 61.9 | 31.0 | 15.0 | 15 |
| Tranquilizers | 6.5 | 2.9 | 0.5 | 13 | 13.3 | 7.0 | 1.6 | 14 | 13.6 | 7.6 | 1.3 | 14 |
| Quaaludes | 4.1 | 1.6 | 0.1 | 13 | 9.6 | 4.5 | 1.3 | 13 | 9.6 | 4.7 | 1.6 | 14 |
| Amphetamines | 7.6 | 3.1 | 0.7 | 13 | 14.7 | 6.4 | 1.6 | 14 | 16.6 | 6.8 | 1.7 | 15 |
| Cigarettes | 43.4 | 18.3 | 10.6 | 11 | 55.2 | 27.8 | 21.3 | 12 | 54.8 | 26.6 | 22.9 | 13 |
| Heroin | 3.8 | 1.9 | 0.4 | 12 | 6.5 | 4.2 | 1.4 | 13 | 6.1 | 3.6 | 1.5 | 15 |
| Cocaine | 9.1 | 4.6 | 1.5 | 13 | 19.6 | 9.8 | 2.3 | 15 | 19.2 | 8.6 | 1.9 | 16 |
| Hashish | 6.3 | 4.0 | 0.8 | 12 | 16.2 | 8.2 | 1.2 | 14 | 21.1 | 9.2 | 2.1 | 15 |
| Hallucinogens | 3.2 | 1.6 | 0.4 | 13 | 7.7 | 3.7 | 1.3 | 14 | 9.0 | 4.6 | 0.7 | 15 |
| Barbiturates | 4.8 | 2.3 | 0.4 | 13 | 9.8 | 4.9 | 0.8 | 14 | 10.0 | 4.5 | 1.2 | 15 |
| Solvents | 8.0 | 2.4 | 1.1 | 11 | 8.0 | 3.2 | 0.8 | 13 | 6.5 | 2.8 | 1.2 | 12 |
| Methamphetamines | 6.6 | 2.6 | 1.0 | 13 | 15.3 | 7.7 | 2.3 | 14 | 17.1 | 6.8 | 1.8 | 15 |
| PCP | 2.9 | 1.3 | 0.2 | 12 | 5.9 | 4.0 | 1.0 | 14 | 5.9 | 3.2 | 1.4 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 18.4 | 34.8 | 33.6 |
| Mean Number of Drugs Per User[2/] | 2.4 | 2.7 | 2.8 |

[1/] Excluding Alcohol.

[2/] Excluding cigarettes and alcohol

TABLE 16

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Baltimore County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 23.9 | 13.0 | 4.2 | 12 | 46.3 | 30.1 | 11.4 | 13 | 60.7 | 38.2 | 14.4 | 14 |
| Tranquilizers | 7.8 | 4.1 | 1.5 | 11 | 16.0 | 7.8 | 2.8 | 14 | 19.1 | 7.4 | 1.3 | 15 |
| Quaaludes | 6.8 | 3.2 | 1.8 | 12 | 14.9 | 6.2 | 1.6 | 14 | 19.4 | 6.4 | 1.1 | 14 |
| Amphetamines | 10.8 | 5.1 | 2.2 | 12 | 23.3 | 11.4 | 2.8 | 14 | 31.3 | 11.2 | 3.5 | 14 |
| Cigarettes | 47.9 | 23.0 | 13.8 | 11 | 59.2 | 29.7 | 19.8 | 12 | 63.2 | 35.9 | 28.3 | 13 |
| Heroin | 4.5 | 2.6 | 1.5 | 11 | 6.0 | 3.9 | 1.8 | 12 | 4.5 | 2.6 | 1.7 | 14 |
| Cocaine | 7.9 | 3.9 | 1.4 | 12 | 16.0 | 9.3 | 2.1 | 14 | 26.1 | 14.7 | 2.5 | 16 |
| Hashish | 7.8 | 3.9 | 1.6 | 12 | 21.7 | 12.5 | 3.6 | 14 | 34.1 | 17.6 | 2.6 | 15 |
| Hallucinogens | 6.1 | 3.1 | 1.5 | 11 | 12.4 | 6.9 | 1.7 | 14 | 13.0 | 6.0 | 1.1 | 15 |
| Barbiturates | 8.0 | 3.5 | 1.5 | 12 | 14.6 | 6.2 | 1.8 | 13 | 15.6 | 5.2 | 1.3 | 15 |
| Solvents | 11.7 | 4.9 | 1.1 | 11 | 13.4 | 4.8 | 1.7 | 12 | 8.3 | 2.2 | 1.2 | 12 |
| Methamphetamines | 9.8 | 5.3 | 2.0 | 12 | 23.2 | 12.1 | 3.4 | 13 | 29.4 | 11.7 | 3.0 | 15 |
| PCP | 4.7 | 2.9 | 1.4 | 11 | 8.3 | 5.3 | 1.8 | 14 | 8.5 | 3.5 | 1.4 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 16.8 | 33.8 | 41.5 |
| Mean Number of Drugs Per User[2/] | 3.3 | 3.4 | 3.1 |

[1/]Excluding Alcohol.

[2/]Excluding cigarettes and alcohol

TABLE 17

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Calvert County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 19.8 | 8.7 | 2.2 | 12 | 41.7 | 24.4 | 12.6 | 13 | 52.5 | 30.5 | 16.1 | 14 |
| Tranquilizers | 6.2 | 3.4 | 1.7 | 11 | 16.8 | 10.2 | 4.1 | 13 | 17.1 | 6.2 | 1.7 | 14 |
| Quaaludes | 4.3 | 2.5 | 0.8 | 12 | 16.6 | 9.3 | 3.9 | 12 | 13.2 | 5.5 | 1.7 | 14 |
| Amphetamines | 9.5 | 5.0 | 1.8 | 12 | 25.9 | 14.7 | 6.6 | 13 | 33.4 | 13.4 | 3.2 | 14 |
| Cigarettes | 52.3 | 24.7 | 14.5 | 11 | 63.6 | 33.4 | 23.3 | 11 | 63.9 | 33.6 | 26.1 | 12 |
| Heroin | 4.4 | 2.9 | 1.2 | 12 | 11.8 | 9.3 | 4.7 | 11 | 8.4 | 4.9 | 2.7 | 14 |
| Cocaine | 6.9 | 3.5 | 1.0 | 12 | 18.8 | 12.5 | 5.1 | 13 | 19.6 | 12.9 | 3.2 | 15 |
| Hashish | 6.4 | 4.7 | 1.1 | 12 | 23.2 | 13.2 | 5.6 | 13 | 30.0 | 13.2 | 2.4 | 14 |
| Hallucinogens | 5.2 | 3.4 | 1.0 | 13 | 16.4 | 12.0 | 5.1 | 13 | 20.1 | 10.7 | 1.7 | 15 |
| Barbiturates | 7.6 | 3.6 | 0.8 | 12 | 21.3 | 12.3 | 5.2 | 13 | 20.8 | 8.1 | 1.7 | 14 |
| Solvents | 11.2 | 4.7 | 2.2 | 10 | 17.2 | 10.6 | 4.4 | 11 | 10.9 | 5.2 | 1.7 | 12 |
| Methamphetamines | 9.9 | 5.9 | 1.5 | 12 | 25.2 | 16.2 | 7.1 | 13 | 30.9 | 12.1 | 3.4 | 14 |
| PCP | 4.7 | 2.7 | 1.4 | 11 | 16.4 | 11.0 | 4.7 | 13 | 19.4 | 9.5 | 3.7 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 12.7 | 29.5 | 34.4 |
| Mean Number of Drugs Per User[2/] | 4.0 | 5.3 | 3.8 |

1/Excluding Alcohol.

2/Excluding cigarettes and alcohol

TABLE 18

Percent of Maryland Adolescents Using Substances[1] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Caroline County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 22.0 | 13.4 | 5.4 | 11 | 34.5 | 17.8 | 9.4 | 13 | 45.1 | 21.0 | 11.0 | 14 |
| Tranquilizers | 9.6 | 5.1 | 2.9 | 10 | 9.5 | 6.5 | 2.7 | 12 | 15.6 | 7.6 | 4.2 | 13 |
| Quaaludes | 9.0 | 6.8 | 3.2 | 11 | 9.8 | 6.0 | 1.5 | 13 | 12.3 | 5.9 | 3.4 | 14 |
| Amphetamines | 12.5 | 7.7 | 4.8 | 12 | 19.4 | 10.7 | 4.6 | 13 | 23.6 | 10.5 | 5.5 | 14 |
| Cigarettes | 40.7 | 23.1 | 16.6 | 10 | 53.6 | 29.3 | 19.0 | 11 | 64.3 | 29.8 | 23.9 | 12 |
| Heroin | 9.6 | 6.7 | 3.2 | 11 | 5.7 | 3.8 | 1.5 | 12 | 5.5 | 3.8 | 3.0 | 11 |
| Cocaine | 10.5 | 6.3 | 3.5 | 12 | 9.1 | 4.9 | 2.7 | 14 | 11.4 | 6.8 | 2.5 | 15 |
| Hashish | 10.2 | 6.0 | 2.8 | 11 | 9.5 | 6.1 | 1.9 | 13 | 17.4 | 9.8 | 3.4 | 14 |
| Hallucinogens | 9.9 | 6.7 | 4.1 | 11 | 7.2 | 4.9 | 2.3 | 14 | 8.0 | 5.0 | 2.5 | 15 |
| Barbiturates | 12.4 | 7.3 | 3.2 | 11 | 11.7 | 6.4 | 2.7 | 13 | 13.5 | 8.0 | 3.0 | 14 |
| Solvents | 15.0 | 6.1 | 2.5 | 11 | 14.5 | 5.0 | 2.7 | 10 | 8.9 | 3.4 | 2.1 | 12 |
| Methamphetamines | 13.7 | 6.7 | 4.8 | 12 | 16.4 | 9.1 | 4.2 | 14 | 21.7 | 10.6 | 6.0 | 14 |
| PCP | 10.8 | 7.0 | 2.9 | 11 | 5.3 | 3.0 | 1.9 | 15 | 8.4 | 4.6 | 3.0 | 13 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2] | 14.6 | 23.5 | 24.9 |
| Mean Number of Drugs Per User[2] | 5.8 | 3.6 | 3.9 |

[1] Excluding Alcohol.

[2] Excluding cigarettes and alcohol

TABLE 19

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Carroll County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 10.5 | 4.6 | 0.9 | 12 | 23.3 | 13.4 | 7.7 | 13 | 47.8 | 30.2 | 15.5 | 15 |
| Tranquilizers | 2.7 | 0.6 | 0.2 | 12 | 10.7 | 6.7 | 3.7 | 12 | 14.8 | 11.9 | 5.4 | 13 |
| Quaaludes | 2.0 | 1.1 | 0.4 | 12 | 8.3 | 7.4 | 3.7 | 12 | 14.4 | 10.8 | 4.7 | 12 |
| Amphetamines | 5.9 | 2.0 | 0.9 | 12 | 16.0 | 9.6 | 5.4 | 13 | 30.4 | 17.0 | 6.8 | 14 |
| Cigarettes | 39.0 | 15.4 | 10.1 | 11 | 48.5 | 20.1 | 12.9 | 12 | 63.2 | 28.5 | 21.3 | 12 |
| Heroin | 1.6 | 0.7 | 0.2 | 12 | 7.0 | 4.9 | 4.0 | 12 | 9.0 | 7.2 | 5.4 | 12 |
| Cocaine | 2.5 | 1.1 | 0.4 | 12 | 9.1 | 5.6 | 4.2 | 12 | 19.8 | 12.2 | 4.3 | 15 |
| Hashish | 3.0 | 1.2 | 0.2 | 11 | 11.0 | 7.5 | 4.8 | 12 | 20.1 | 14.0 | 5.0 | 14 |
| Hallucinogens | 1.8 | 0.9 | 0.2 | 12 | 8.3 | 6.4 | 3.5 | 12 | 13.7 | 9.7 | 4.3 | 14 |
| Barbiturates | 3.5 | 1.5 | 0.4 | 12 | 11.0 | 6.2 | 3.7 | 13 | 15.6 | 10.9 | 5.1 | 14 |
| Solvents | 9.2 | 3.9 | 1.6 | 10 | 14.7 | 8.3 | 4.5 | 10 | 15.5 | 8.3 | 5.0 | 12 |
| Methamphetamines | 5.3 | 1.6 | 0.4 | 12 | 14.7 | 10.7 | 5.0 | 13 | 27.0 | 16.6 | 7.2 | 14 |
| PCP | 1.2 | 0.3 | 0.2 | 12 | 7.8 | 5.7 | 4.5 | 11 | 13.4 | 9.1 | 4.7 | 14 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 10.3 | 25.8 | 39.2 |
| Mean Number of Drugs Per User[2/] | 2.1 | 5.3 | 4.5 |

[1/] Excluding Alcohol.

[2/] Excluding cigarettes and alcohol

TABLE 20

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Charles County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 18.1 | 7.4 | 2.0 | 12 | 41.0 | 27.3 | 12.2 | 13 | 49.7 | 23.4 | 7.2 | 14 |
| Tranquilizers | 5.8 | 2.2 | 0.4 | 12 | 14.6 | 8.2 | 2.5 | 13 | 10.9 | 3.1 | 0.5 | 14 |
| Quaaludes | 3.6 | 2.1 | 0.6 | 11 | 13.0 | 6.7 | 1.9 | 13 | 10.4 | 3.1 | 0.5 | 14 |
| Amphetamines | 5.3 | 3.5 | 0.6 | 12 | 23.4 | 13.2 | 2.7 | 13 | 21.0 | 9.9 | 1.3 | 14 |
| Cigarettes | 51.1 | 21.6 | 10.4 | 11 | 61.0 | 35.2 | 27.4 | 12 | 57.9 | 27.8 | 18.9 | 12 |
| Heroin | 3.2 | 2.2 | 1.2 | 11 | 6.9 | 4.0 | 1.7 | 12 | 6.0 | 2.4 | 0.8 | 14 |
| Cocaine | 4.9 | 3.2 | 1.6 | 12 | 14.3 | 8.2 | 2.1 | 14 | 17.0 | 7.2 | 0.8 | 16 |
| Hashish | 4.6 | 2.0 | 0.9 | 12 | 20.1 | 11.0 | 2.5 | 13 | 16.3 | 8.0 | 0.3 | 14 |
| Hallucinogens | 3.0 | 2.4 | 0.6 | 13 | 12.7 | 7.9 | 2.1 | 14 | 10.8 | 4.9 | 1.0 | 15 |
| Barbiturates | 4.8 | 2.0 | 0.6 | 11 | 16.6 | 8.2 | 1.9 | 13 | 13.7 | 4.6 | 0.6 | 14 |
| Solvents | 10.0 | 5.2 | 1.5 | 11 | 16.1 | 7.0 | 2.0 | 12 | 7.7 | 2.5 | 0.6 | 13 |
| Methamphetamines | 5.7 | 3.0 | 1.1 | 12 | 23.1 | 14.6 | 2.9 | 13 | 22.9 | 9.2 | 1.3 | 15 |
| PCP | 3.2 | 1.8 | 0.8 | 12 | 12.6 | 9.2 | 2.5 | 13 | 10.3 | 5.1 | 1.5 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 11.4 | 32.1 | 26.0 |
| Mean Number of Drugs Per User[2/] | 3.2 | 3.9 | 3.2 |

[1/]Excluding Alcohol.

[2/]Excluding cigarettes and alcohol

TABLE 21

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Dorchester County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 22.6 | 9.6 | 3.7 | 12 | 47.1 | 24.7 | 10.6 | 14 | 56.2 | 27.4 | 14.4 | 14 |
| Tranquilizers | 4.3 | 2.0 | 0.3 | 13 | 9.0 | 3.2 | 0.3 | 14 | 8.9 | 2.7 | 0.3 | 14 |
| Quaaludes | 2.6 | 2.0 | 0.0 | 12 | 9.0 | 3.9 | 0.6 | 14 | 10.3 | 4.1 | 0.7 | 14 |
| Amphetamines | 5.5 | 3.5 | 0.3 | 11 | 18.6 | 9.0 | 2.2 | 14 | 28.4 | 7.2 | 1.4 | 15 |
| Cigarettes | 45.2 | 15.8 | 7.6 | 11 | 61.5 | 32.1 | 21.0 | 12 | 58.6 | 29.1 | 22.0 | 13 |
| Heroin | 3.8 | 2.9 | 0.0 | 12 | 5.5 | 3.2 | 1.0 | 14 | 5.1 | 2.4 | 0.7 | 15 |
| Cocaine | 5.8 | 3.5 | 0.6 | 12 | 8.7 | 3.9 | 0.6 | 14 | 14.7 | 6.1 | 2.4 | 15 |
| Hashish | 4.9 | 3.2 | 0.9 | 12 | 13.2 | 7.1 | 1.0 | 14 | 20.2 | 9.9 | 1.7 | 15 |
| Hallucinogens | 3.8 | 2.4 | 1.5 | 12 | 7.4 | 3.2 | 0.9 | 13 | 7.9 | 3.1 | 1.4 | 16 |
| Barbiturates | 3.8 | 2.9 | 0.3 | 10 | 11.2 | 4.8 | 0.9 | 14 | 11.3 | 3.4 | 0.3 | 15 |
| Solvents | 10.1 | 4.6 | 1.5 | 11 | 12.6 | 3.9 | 1.3 | 11 | 9.6 | 3.1 | 0.7 | 13 |
| Methamphetamines | 5.8 | 3.5 | 0.3 | 13 | 21.8 | 8.7 | 2.0 | 14 | 24.0 | 7.6 | 1.7 | 14 |
| PCP | 2.9 | 2.0 | 0.3 | 11 | 4.2 | 2.6 | 0.9 | 13 | 5.5 | 3.8 | 2.0 | 14 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 12.5 | 27.6 | 29.1 |
| Mean Number of Drugs Per User[2/] | 3.4 | 2.8 | 2.8 |

[1/] Excluding Alcohol.

[2/] Excluding cigarettes and alcohol

TABLE 22

Percent of Maryland Adolescents Using Substances[1] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Frederick County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 15.6 | 7.1 | 2.4 | 12 | 34.2 | 16.6 | 6.1 | 13 | 52.6 | 30.4 | 12.9 | 14 |
| Tranquilizers | 5.4 | 2.3 | 1.1 | 12 | 9.0 | 3.8 | 0.9 | 13 | 14.6 | 5.2 | 0.9 | 14 |
| Quaaludes | 4.5 | 2.8 | 1.0 | 11 | 6.8 | 3.4 | 0.7 | 14 | 11.1 | 5.3 | 0.0 | 14 |
| Amphetamines | 8.9 | 4.5 | 1.3 | 12 | 21.8 | 9.3 | 3.0 | 14 | 29.9 | 13.8 | 3.6 | 14 |
| Cigarettes | 37.6 | 18.7 | 11.6 | 11 | 57.8 | 30.4 | 18.5 | 12 | 62.8 | 35.2 | 27.0 | 13 |
| Heroin | 4.3 | 3.2 | 1.2 | 11 | 4.1 | 2.3 | 0.7 | 13 | 4.7 | 2.9 | 0.9 | 16 |
| Cocaine | 4.9 | 2.9 | 1.1 | 12 | 8.4 | 4.1 | 0.7 | 14 | 16.1 | 7.0 | 1.5 | 16 |
| Hashish | 5.0 | 3.3 | 1.0 | 11 | 14.2 | 6.8 | 1.4 | 13 | 25.7 | 12.2 | 2.1 | 14 |
| Hallucinogens | 4.4 | 2.7 | 0.8 | 12 | 7.7 | 3.6 | 0.9 | 14 | 13.7 | 5.8 | 0.9 | 15 |
| Barbiturates | 6.1 | 3.8 | 1.2 | 12 | 12.2 | 4.5 | 1.2 | 14 | 17.3 | 7.1 | 1.2 | 14 |
| Solvents | 11.0 | 4.8 | 2.3 | 10 | 10.6 | 3.4 | 0.9 | 12 | 9.1 | 2.4 | 0.6 | 13 |
| Methamphetamines | 10.6 | 5.4 | 1.6 | 12 | 20.1 | 9.7 | 3.0 | 14 | 31.9 | 13.8 | 2.4 | 15 |
| PCP | 4.0 | 2.9 | 0.9 | 12 | 5.2 | 2.7 | 0.5 | 14 | 12.3 | 5.8 | 1.2 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2] | 10.7 | 21.4 | 33.9 |
| Mean Number of Drugs Per User[2] | 4.3 | 3.3 | 3.3 |

[1] Excluding Alcohol.

[2] Excluding cigarettes and alcohol

TABLE 23

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Garrett County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 10.7 | 4.4 | 0.6 | 12 | 29.2 | 15.6 | 5.3 | 13 | 43.1 | 20.3 | 5.3 | 14 |
| Tranquilizers | 4.1 | 1.1 | 0.6 | 11 | 11.1 | 3.9 | 0.8 | 14 | 15.0 | 3.7 | 0.4 | 14 |
| Quaaludes | 2.5 | 0.6 | 0.0 | 12 | 8.3 | 3.9 | 1.1 | 14 | 9.7 | 2.4 | 0.0 | 15 |
| Amphetamines | 4.9 | 1.6 | 0.3 | 12 | 18.9 | 10.3 | 3.6 | 14 | 28.3 | 11.3 | 2.4 | 15 |
| Cigarettes | 38.6 | 14.8 | 7.4 | 10 | 56.3 | 21.8 | 11.1 | 12 | 58.5 | 25.2 | 16.6 | 12 |
| Heroin | 1.4 | 0.6 | 0.5 | 10 | 5.6 | 3.7 | 1.1 | 15 | 2.4 | 0.8 | 0.0 | 16 |
| Cocaine | 2.7 | 1.1 | 0.6 | 11 | 7.5 | 3.9 | 1.4 | 14 | 8.5 | 3.2 | 0.4 | 15 |
| Hashish | 3.3 | 2.2 | 0.5 | 12 | 11.4 | 7.0 | 1.7 | 14 | 16.2 | 6.9 | 0.0 | 14 |
| Hallucinogens | 3.0 | 1.1 | 0.3 | 12 | 8.6 | 4.4 | 1.4 | 14 | 6.9 | 2.8 | 0.0 | 15 |
| Barbiturates | 3.3 | 1.7 | 0.3 | 13 | 11.9 | 5.2 | 1.6 | 14 | 13.0 | 4.9 | 0.0 | 15 |
| Solvents | 6.3 | 2.5 | 0.5 | 10 | 15.6 | 5.5 | 1.7 | 12 | 14.2 | 4.9 | 2.0 | 13 |
| Methamphetamines | 4.4 | 1.9 | 0.3 | 12 | 19.4 | 12.2 | 3.1 | 14 | 26.6 | 10.6 | 1.2 | 15 |
| PCP | 1.9 | 1.4 | 0.8 | 12 | 4.5 | 2.6 | 0.9 | 14 | 5.3 | 2.9 | 0.0 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 7.4 | 22.2 | 24.7 |
| Mean Number of Drugs Per User[2/] | 2.7 | 3.5 | 3.0 |

1/Excluding Alcohol.

2/Excluding cigarettes and alcohol

TABLE 24

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Harford County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 19.5 | 10.0 | 3.7 | 12 | 42.0 | 27.3 | 12.6 | 13 | 54.6 | 33.0 | 15.5 | 14 |
| Tranquilizers | 5.2 | 2.1 | 0.8 | 12 | 13.5 | 8.0 | 2.7 | 13 | 15.6 | 7.8 | 2.2 | 14 |
| Quaaludes | 4.1 | 2.9 | 0.4 | 12 | 13.7 | 7.7 | 2.4 | 14 | 14.1 | 6.3 | 2.0 | 15 |
| Amphetamines | 8.8 | 5.4 | 1.2 | 12 | 22.1 | 12.9 | 3.8 | 14 | 27.7 | 13.4 | 4.6 | 14 |
| Cigarettes | 42.2 | 18.6 | 10.3 | 11 | 56.5 | 30.3 | 20.6 | 12 | 62.6 | 31.1 | 21.9 | 12 |
| Heroin | 2.5 | 1.8 | 0.1 | 12 | 5.6 | 3.6 | 2.2 | 13 | 6.6 | 3.9 | 1.7 | 12 |
| Cocaine | 4.1 | 1.8 | 0.3 | 13 | 13.5 | 8.4 | 2.1 | 14 | 19.4 | 10.6 | 2.5 | 16 |
| Hashish | 6.0 | 3.9 | 0.7 | 12 | 17.3 | 11.5 | 3.1 | 13 | 27.0 | 12.7 | 2.8 | 14 |
| Hallucinogens | 3.3 | 2.0 | 0.1 | 13 | 11.8 | 6.6 | 2.0 | 14 | 13.5 | 6.6 | 1.9 | 16 |
| Barbiturates | 7.0 | 3.9 | 0.8 | 12 | 13.0 | 7.8 | 2.5 | 14 | 14.3 | 7.2 | 2.8 | 14 |
| Solvents | 11.3 | 4.7 | 1.4 | 11 | 12.7 | 6.7 | 2.8 | 12 | 15.2 | 5.1 | 2.8 | 13 |
| Methamphetamines | 8.9 | 5.7 | 0.8 | 12 | 21.3 | 13.5 | 4.2 | 14 | 29.8 | 13.9 | 4.6 | 14 |
| PCP | 2.0 | 1.6 | 0.3 | 13 | 8.5 | 5.9 | 2.4 | 14 | 9.7 | 5.1 | 2.4 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 13.3 | 29.9 | 35.6 |
| Mean Number of Drugs Per User[2/] | 3.5 | 4.0 | 3.5 |

1/Excluding Alcohol.

2/Excluding cigarettes and alcohol

TABLE 25

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Howard County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 10.4 | 5.2 | 2.3 | 12 | 35.9 | 17.7 | 6.8 | 13 | 46.8 | 26.3 | 9.7 | 14 |
| Tranquilizers | 3.6 | 1.9 | 1.0 | 12 | 11.5 | 5.7 | 2.3 | 13 | 11.5 | 6.5 | 2.6 | 13 |
| Quaaludes | 2.2 | 1.8 | 1.0 | 11 | 8.0 | 4.2 | 1.6 | 12 | 10.5 | 5.3 | 1.8 | 13 |
| Amphetamines | 4.5 | 2.6 | 1.1 | 11 | 14.7 | 7.1 | 2.5 | 14 | 22.2 | 9.5 | 3.6 | 14 |
| Cigarettes | 33.9 | 10.6 | 6.3 | 11 | 56.8 | 23.0 | 14.5 | 12 | 59.2 | 27.4 | 19.2 | 12 |
| Heroin | 1.9 | 1.8 | 0.9 | 10 | 5.1 | 3.4 | 2.0 | 13 | 4.2 | 3.3 | 1.6 | 12 |
| Cocaine | 3.6 | 2.2 | 1.0 | 12 | 9.6 | 4.9 | 2.2 | 14 | 15.7 | 8.6 | 2.4 | 15 |
| Hashish | 2.6 | 1.9 | 0.7 | 11 | 11.8 | 6.6 | 1.9 | 13 | 23.1 | 11.0 | 2.9 | 14 |
| Hallucinogens | 1.7 | 1.4 | 0.9 | 11 | 7.4 | 2.4 | 2.3 | 13 | 13.1 | 5.9 | 1.6 | 15 |
| Barbiturates | 2.6 | 1.7 | 0.9 | 11 | 9.8 | 4.7 | 1.6 | 13 | 12.8 | 5.3 | 2.2 | 14 |
| Solvents | 5.1 | 2.3 | 1.1 | 10 | 10.4 | 4.4 | 1.7 | 11 | 10.4 | 4.2 | 1.7 | 12 |
| Methamphetamines | 3.6 | 2.3 | 1.3 | 11 | 14.0 | 6.9 | 2.2 | 13 | 19.8 | 8.0 | 3.1 | 14 |
| PCP | 2.5 | 1.5 | 0.9 | 11 | 6.6 | 3.2 | 1.1 | 14 | 11.4 | 5.5 | 2.7 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 6.8 | 21.1 | 30.1 |
| Mean Number of Drugs Per User[2/] | 3.9 | 3.5 | 3.3 |

1/Excluding Alcohol.

2/Excluding cigarettes and alcohol

TABLE 26

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Montgomery County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 13.6 | 5.4 | 2.2 | 12 | 27.3 | 13.7 | 5.1 | 13 | 46.3 | 19.1 | 6.1 | 14 |
| Tranquilizers | 4.9 | 2.6 | 1.0 | 12 | 9.6 | 3.3 | 1.2 | 13 | 11.6 | 4.0 | 1.1 | 14 |
| Quaaludes | 4.4 | 3.0 | 1.0 | 11 | 6.1 | 2.6 | 1.0 | 13 | 9.3 | 3.6 | 1.3 | 14 |
| Amphetamines | 6.3 | 3.5 | 1.7 | 11 | 12.0 | 5.5 | 1.7 | 14 | 19.2 | 6.7 | 2.0 | 14 |
| Cigarettes | 33.6 | 15.0 | 6.7 | 11 | 50.0 | 21.5 | 12.6 | 12 | 58.0 | 24.5 | 16.6 | 13 |
| Heroin | 4.6 | 3.0 | 1.2 | 11 | 3.8 | 2.3 | 1.4 | 13 | 3.9 | 2.6 | 1.2 | 13 |
| Cocaine | 4.7 | 3.4 | 1.0 | 12 | 8.1 | 4.4 | 1.1 | 14 | 17.1 | 9.1 | 2.0 | 16 |
| Hashish | 4.4 | 3.0 | 1.0 | 11 | 9.7 | 4.4 | 1.6 | 13 | 19.3 | 6.9 | 1.5 | 14 |
| Hallucinogens | 4.0 | 2.8 | 0.9 | 10 | 6.4 | 3.0 | 1.2 | 13 | 8.1 | 3.4 | 1.0 | 14 |
| Barbiturates | 4.9 | 3.1 | 1.0 | 11 | 6.8 | 3.3 | 1.2 | 13 | 8.3 | 3.0 | 1.0 | 14 |
| Solvents | 8.9 | 5.0 | 1.3 | 10 | 10.0 | 4.4 | 1.4 | 11 | 8.4 | 3.4 | 1.2 | 11 |
| Methamphetamines | 5.3 | 2.9 | 1.1 | 11 | 9.3 | 4.5 | 1.1 | 13 | 16.3 | 5.8 | 1.4 | 15 |
| PCP | 4.2 | 3.0 | 1.6 | 12 | 5.7 | 3.0 | 1.2 | 13 | 7.7 | 3.8 | 1.2 | 14 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 8.7 | 16.7 | 22.5 |
| Mean Number of Drugs Per User[2/] | 4.6 | 3.2 | 3.2 |

1/Excluding Alcohol.

2/Excluding cigarettes and alcohol

TABLE 27

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Prince George's County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 11.3 | 5.1 | 2.1 | 12 | 37.1 | 17.4 | 6.3 | 13 | 60.9 | 32.9 | 16.1 | 14 |
| Tranquilizers | 3.2 | 2.2 | 1.3 | 11 | 5.9 | 3.1 | 1.3 | 12 | 15.1 | 6.5 | 1.3 | 13 |
| Quaaludes | 2.6 | 2.2 | 1.2 | 11 | 5.1 | 2.7 | 1.1 | 13 | 12.9 | 7.1 | 1.4 | 14 |
| Amphetamines | 3.7 | 2.8 | 1.5 | 11 | 11.0 | 4.0 | 1.5 | 13 | 23.7 | 9.3 | 2.0 | 14 |
| Cigarettes | 35.9 | 11.0 | 5.8 | 12 | 54.6 | 23.4 | 16.1 | 12 | 62.6 | 28.1 | 22.3 | 12 |
| Heroin | 2.6 | 2.3 | 1.0 | 10 | 3.2 | 1.8 | 1.4 | 10 | 5.8 | 3.4 | 1.5 | 12 |
| Cocaine | 3.4 | 2.2 | 1.3 | 11 | 9.0 | 5.1 | 1.1 | 14 | 22.3 | 13.4 | 2.2 | 16 |
| Hashish | 2.7 | 1.9 | 1.3 | 11 | 10.4 | 4.6 | 1.1 | 14 | 26.5 | 13.5 | 2.2 | 14 |
| Hallucinogens | 3.1 | 1.8 | 1.2 | 10 | 6.6 | 3.7 | 0.9 | 14 | 13.8 | 7.0 | 1.5 | 15 |
| Barbiturates | 3.2 | 2.3 | 1.2 | 11 | 8.0 | 3.8 | 1.2 | 13 | 15.2 | 5.2 | 1.4 | 14 |
| Solvents | 6.8 | 2.8 | 1.1 | 11 | 9.3 | 4.5 | 2.0 | 11 | 8.9 | 4.0 | 1.1 | 12 |
| Methamphetamines | 3.0 | 2.2 | 1.3 | 11 | 12.2 | 6.0 | 1.6 | 14 | 22.1 | 8.8 | 2.2 | 14 |
| PCP | 2.7 | 2.2 | 1.3 | 11 | 7.9 | 4.4 | 1.5 | 14 | 19.6 | 11.4 | 4.0 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 6.8 | 20.5 | 36.7 |
| Mean Number of Drugs Per User[2/] | 4.4 | 3.0 | 3.3 |

1/Excluding Alcohol.

2/Excluding cigarettes and alcohol

TABLE 28

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Queen Anne's County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 19.9 | 9.1 | 2.9 | 12 | 46.2 | 23.7 | 11.0 | 13 | 55.8 | 28.1 | 10.7 | 14 |
| Tranquilizers | 3.1 | 1.4 | 0.6 | 12 | 10.3 | 3.9 | 0.6 | 13 | 11.3 | 4.5 | 1.7 | 13 |
| Quaaludes | 4.0 | 2.0 | 0.9 | 12 | 10.4 | 4.6 | 1.5 | 13 | 12.0 | 3.4 | 1.0 | 14 |
| Amphetamines | 9.1 | 4.6 | 2.0 | 12 | 24.9 | 12.4 | 2.7 | 13 | 27.7 | 9.5 | 2.8 | 14 |
| Cigarettes | 51.4 | 25.7 | 14.5 | 11 | 68.2 | 33.6 | 22.7 | 12 | 65.4 | 32.2 | 25.3 | 12 |
| Heroin | 1.7 | 1.7 | 0.9 | 12 | 5.8 | 3.7 | 1.2 | 14 | 5.1 | 3.0 | 1.4 | 12 |
| Cocaine | 4.5 | 2.2 | 0.9 | 12 | 14.3 | 7.0 | 1.8 | 14 | 14.7 | 7.5 | 2.4 | 15 |
| Hashish | 3.7 | 2.8 | 0.6 | 11 | 16.1 | 9.1 | 1.5 | 13 | 18.8 | 9.2 | 2.7 | 15 |
| Hallucinogens | 3.7 | 2.6 | 0.6 | 12 | 10.3 | 5.4 | 1.2 | 14 | 10.3 | 4.5 | 2.1 | 15 |
| Barbiturates | 5.7 | 2.9 | 0.6 | 11 | 15.9 | 6.1 | 0.9 | 13 | 13.7 | 6.5 | 2.4 | 14 |
| Solvents | 12.0 | 4.6 | 1.2 | 10 | 14.6 | 4.3 | 1.5 | 12 | 8.9 | 4.4 | 2.4 | 11 |
| Methamphetamines | 11.1 | 6.8 | 2.3 | 12 | 27.4 | 14.0 | 3.9 | 13 | 25.7 | 9.3 | 2.7 | 14 |
| PCP | 3.7 | 2.3 | 0.6 | 11 | 8.8 | 5.2 | 1.8 | 14 | 8.9 | 4.1 | 2.4 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 14.2 | 28.3 | 30.8 |
| Mean Number of Drugs Per User[2/] | 3.0 | 3.5 | 3.1 |

[1/] Excluding Alcohol.

[2/] Excluding cigarettes and alcohol

TABLE 29

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

St. Mary's County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 18.5 | 7.3 | 2.9 | 12 | 38.0 | 18.9 | 5.7 | 13 | 49.4 | 23.1 | 7.7 | 14 |
| Tranquilizers | 6.3 | 3.0 | 1.3 | 12 | 12.4 | 5.4 | 1.2 | 13 | 11.5 | 4.8 | 0.8 | 14 |
| Quaaludes | 4.2 | 2.7 | 1.3 | 11 | 10.9 | 4.8 | 1.3 | 13 | 7.9 | 3.5 | 1.0 | 14 |
| Amphetamines | 7.7 | 4.6 | 1.2 | 12 | 18.5 | 8.0 | 3.6 | 13 | 21.9 | 10.4 | 3.2 | 15 |
| Cigarettes | 54.1 | 24.4 | 14.6 | 11 | 60.7 | 29.4 | 21.4 | 12 | 66.2 | 33.8 | 27.8 | 12 |
| Heroin | 4.9 | 3.3 | 1.7 | 12 | 6.1 | 3.2 | 1.5 | 13 | 5.6 | 3.1 | 0.8 | 13 |
| Cocaine | 4.9 | 3.0 | 1.4 | 12 | 10.1 | 4.9 | 2.3 | 14 | 13.9 | 6.8 | 1.2 | 15 |
| Hashish | 5.5 | 3.3 | 1.4 | 12 | 14.5 | 6.9 | 1.9 | 13 | 19.0 | 8.8 | 1.8 | 14 |
| Hallucinogens | 3.7 | 2.3 | 0.8 | 12 | 9.6 | 5.0 | 1.7 | 13 | 10.2 | 6.0 | 1.2 | 15 |
| Barbiturates | 5.7 | 3.7 | 1.1 | 12 | 12.4 | 6.3 | 2.1 | 13 | 15.2 | 5.6 | 0.8 | 14 |
| Solvents | 10.4 | 4.5 | 2.1 | 10 | 13.4 | 5.7 | 2.0 | 10 | 12.3 | 4.4 | 1.4 | 11 |
| Methamphetamines | 7.7 | 4.1 | 2.0 | 12 | 17.1 | 10.0 | 3.0 | 13 | 21.0 | 9.3 | 2.8 | 15 |
| PCP | 4.5 | 2.7 | 1.3 | 12 | 8.2 | 4.4 | 2.3 | 13 | 8.2 | 3.8 | 0.6 | 14 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 12.5 | 23.6 | 27.7 |
| Mean Number of Drugs Per User[2/] | 3.5 | 3.5 | 3.2 |

1/Excluding Alcohol.

2/Excluding cigarettes and alcohol

TABLE 30

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Somerset County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 14.0 | 7.9 | 2.8 | 12 | 31.0 | 11.6 | 2.6 | 13 | 51.9 | 27.1 | 9.8 | 14 |
| Tranquilizers | 2.2 | 1.1 | 0.0 | 12 | 7.7 | 3.8 | 1.3 | 11 | 12.0 | 6.7 | 2.3 | 14 |
| Quaaludes | 0.6 | 0.0 | 0.0 | 13 | 5.2 | 4.6 | 0.6 | 12 | 9.0 | 3.7 | 1.6 | 13 |
| Amphetamines | 2.8 | 2.2 | 1.2 | 13 | 13.0 | 9.8 | 2.5 | 14 | 24.8 | 9.8 | 3.8 | 15 |
| Cigarettes | 39.4 | 15.4 | 11.5 | 11 | 67.3 | 26.8 | 13.1 | 12 | 55.0 | 24.5 | 18.3 | 12 |
| Heroin | 0.0 | 0.0 | 0.0 | 10 | 6.5 | 5.9 | 1.9 | 11 | 3.0 | 2.2 | 1.5 | 11 |
| Cocaine | 1.7 | 1.1 | 0.6 | 13 | 3.9 | 2.6 | 0.6 | 13 | 15.0 | 4.5 | 0.8 | 16 |
| Hashish | 1.1 | 0.5 | 0.0 | 11 | 7.1 | 4.5 | 1.9 | 11 | 18.2 | 7.6 | 1.5 | 15 |
| Hallucinogens | 1.7 | 1.1 | 0.0 | 14 | 7.1 | 5.2 | 1.9 | 14 | 6.8 | 3.0 | 0.8 | 16 |
| Barbiturates | 1.7 | 1.1 | 1.1 | 13 | 9.7 | 7.1 | 0.0 | 14 | 11.3 | 3.8 | 1.6 | 14 |
| Solvents | 6.7 | 1.7 | 0.6 | 10 | 12.3 | 7.1 | 3.2 | 11 | 12.0 | 3.7 | 0.8 | 13 |
| Methamphetamines | 2.8 | 1.7 | 1.2 | 12 | 14.2 | 7.7 | 2.5 | 13 | 25.6 | 11.3 | 4.6 | 15 |
| PCP | 0.6 | 0.6 | 0.6 | 13 | 5.8 | 3.2 | 0.6 | 10 | 6.0 | 2.2 | 0.8 | 16 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 10.6 | 19.4 | 28.6 |
| Mean Number of Drugs Per User[2/] | 1.8 | 3.8 | 3.0 |

[1/]Excluding Alcohol.

[2/]Excluding cigarettes and alcohol

TABLE 31

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Washington County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 18.0 | 9.0 | 3.2 | 12 | 29.8 | 17.4 | 6.5 | 14 | 46.7 | 23.6 | 10.0 | 14 |
| Tranquilizers | 5.7 | 3.3 | 0.7 | 12 | 9.3 | 3.8 | 1.6 | 14 | 15.1 | 6.5 | 1.5 | 14 |
| Quaaludes | 5.5 | 3.3 | 0.7 | 12 | 8.1 | 4.0 | 0.6 | 14 | 11.8 | 5.8 | 1.6 | 14 |
| Amphetamines | 9.8 | 5.7 | 2.5 | 12 | 19.8 | 9.1 | 2.8 | 13 | 29.3 | 12.6 | 2.8 | 14 |
| Cigarettes | 49.4 | 23.3 | 13.2 | 11 | 55.3 | 27.1 | 17.5 | 12 | 56.2 | 26.5 | 20.1 | 12 |
| Heroin | 3.9 | 2.5 | 1.1 | 13 | 4.6 | 2.6 | 0.6 | 14 | 3.5 | 2.0 | 0.5 | 13 |
| Cocaine | 5.9 | 2.7 | 1.1 | 13 | 7.5 | 3.3 | 1.0 | 14 | 12.6 | 6.0 | 1.8 | 16 |
| Hashish | 6.3 | 3.2 | 1.1 | 12 | 12.1 | 7.4 | 0.8 | 14 | 19.6 | 8.5 | 2.8 | 14 |
| Hallucinogens | 3.2 | 1.8 | 0.9 | 12 | 6.3 | 3.3 | 0.8 | 15 | 9.5 | 4.2 | 0.8 | 16 |
| Barbiturates | 7.1 | 3.3 | 1.1 | 12 | 11.3 | 6.0 | 1.6 | 13 | 15.2 | 7.1 | 0.8 | 14 |
| Solvents | 12.3 | 5.2 | 1.9 | 11 | 9.3 | 4.0 | 0.6 | 13 | 10.1 | 3.0 | 1.1 | 14 |
| Methamphetamines | 9.8 | 6.0 | 2.1 | 12 | 18.7 | 10.6 | 3.4 | 14 | 27.6 | 13.0 | 5.8 | 14 |
| PCP | 3.8 | 2.1 | 1.3 | 12 | 5.3 | 2.9 | 0.6 | 14 | 8.0 | 3.0 | 0.8 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 12.3 | 21.1 | 27.1 |
| Mean Number of Drugs Per User[2/] | 3.9 | 3.5 | 3.5 |

1/Excluding Alcohol.

2/Excluding cigarettes and alcohol

TABLE 32

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Wicomico County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 28.3 | 14.2 | 3.9 | 12 | 50.1 | 30.5 | 13.6 | 13 | 56.0 | 31.8 | 14.6 | 14 |
| Tranquilizers | 5.9 | 2.4 | 0.7 | 12 | 12.8 | 7.8 | 2.2 | 13 | 14.7 | 7.0 | 2.5 | 14 |
| Quaaludes | 6.3 | 2.6 | 0.4 | 12 | 13.8 | 6.4 | 1.6 | 13 | 12.6 | 6.4 | 1.6 | 14 |
| Amphetamines | 11.1 | 5.0 | 1.1 | 12 | 26.6 | 12.7 | 4.1 | 13 | 28.1 | 13.4 | 4.9 | 14 |
| Cigarettes | 54.7 | 20.9 | 11.7 | 11 | 65.0 | 27.5 | 19.9 | 11 | 53.7 | 19.3 | 13.1 | 12 |
| Heroin | 5.0 | 2.4 | 1.1 | 13 | 6.2 | 3.5 | 1.8 | 14 | 4.1 | 3.1 | 1.5 | 12 |
| Cocaine | 7.6 | 3.9 | 0.9 | 13 | 14.0 | 7.2 | 1.6 | 14 | 17.0 | 7.7 | 1.8 | 16 |
| Hashish | 7.0 | 3.5 | 1.1 | 12 | 20.0 | 9.3 | 2.0 | 13 | 22.1 | 10.3 | 2.0 | 14 |
| Hallucinogens | 5.2 | 2.4 | 0.6 | 12 | 9.4 | 4.5 | 1.4 | 14 | 10.5 | 6.9 | 1.6 | 15 |
| Barbiturates | 7.2 | 2.4 | 0.8 | 13 | 19.3 | 8.4 | 2.6 | 13 | 18.9 | 6.5 | 1.5 | 14 |
| Solvents | 13.3 | 4.1 | 1.3 | 11 | 17.2 | 6.3 | 1.7 | 12 | 12.1 | 3.9 | 1.3 | 13 |
| Methamphetamines | 12.2 | 5.7 | 0.9 | 12 | 28.3 | 15.5 | 3.7 | 13 | 30.4 | 14.2 | 5.2 | 15 |
| PCP | 5.7 | 2.9 | 0.6 | 12 | 7.6 | 4.7 | 1.8 | 13 | 7.2 | 4.6 | 1.6 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 17.4 | 33.7 | 33.9 |
| Mean Number of Drugs Per User[2/] | 3.0 | 3.5 | 3.4 |

[1/] Excluding Alcohol.

[2/] Excluding cigarettes and alcohol

TABLE 33

Percent of Maryland Adolescents Using Substances[1/] by
Frequency of Use and Median Age at First Use -- 1984 Survey

Worcester County

| Substance | Young Adolescents | | | | Middle Adolescents | | | | Late Adolescents | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age at First Use | Ever Used | Current Use | Frequent Use | Age At First Use |
| Marijuana | 21.2 | 11.5 | 3.6 | 12 | 41.2 | 25.1 | 11.5 | 13 | 54.5 | 29.3 | 16.7 | 14 |
| Tranquilizers | 5.8 | 2.5 | 1.4 | 11 | 9.0 | 3.6 | 0.7 | 14 | 12.6 | 6.1 | 2.4 | 14 |
| Quaaludes | 5.3 | 3.1 | 1.7 | 12 | 10.8 | 3.2 | 0.4 | 13 | 10.3 | 6.2 | 2.7 | 14 |
| Amphetamines | 9.0 | 5.1 | 1.9 | 12 | 19.4 | 7.9 | 2.1 | 13 | 22.9 | 9.4 | 3.3 | 14 |
| Cigarettes | 46.8 | 17.2 | 7.9 | 11 | 60.3 | 23.8 | 15.6 | 12 | 59.6 | 25.1 | 18.9 | 12 |
| Heroin | 4.5 | 3.1 | 0.9 | 11 | 4.3 | 2.1 | 0.0 | 14 | 5.6 | 4.1 | 2.4 | 10 |
| Cocaine | 7.0 | 4.2 | 1.2 | 12 | 14.7 | 7.9 | 1.4 | 14 | 18.5 | 9.4 | 3.3 | 15 |
| Hashish | 5.9 | 3.7 | 0.9 | 12 | 14.7 | 7.5 | 1.8 | 13 | 20.9 | 11.2 | 2.7 | 14 |
| Hallucinogens | 3.9 | 2.8 | 0.6 | 13 | 7.9 | 4.7 | 1.1 | 14 | 9.1 | 5.6 | 2.1 | 15 |
| Barbiturates | 5.9 | 3.4 | 1.4 | 11 | 11.8 | 3.9 | 1.1 | 13 | 10.6 | 5.6 | 2.4 | 13 |
| Solvents | 11.2 | 5.6 | 1.4 | 11 | 11.5 | 3.6 | 0.7 | 11 | 12.6 | 3.8 | 2.4 | 13 |
| Methamphetamines | 8.4 | 5.0 | 1.4 | 12 | 20.4 | 8.2 | 1.8 | 13 | 23.5 | 9.7 | 3.9 | 15 |
| PCP | 4.2 | 2.2 | 1.4 | 10 | 4.3 | 2.1 | 0.8 | 13 | 5.9 | 3.8 | 2.4 | 15 |

| | Young Adolescents | Middle Adolescents | Late Adolescents |
|---|---|---|---|
| Current Use of Any Drug[2/] | 15.0 | 25.4 | 30.8 |
| Mean Number of Drugs Per User[2/] | 3.4 | 3.1 | 3.4 |

[1/] Excluding Alcohol.

[2/] Excluding cigarettes and alcohol

## 2. Trends In Substance Use Among Maryland Adolescents From 1980 To 1984

To gain insights into the changing patterns of substance abuse among Maryland adolescents, statewide and subdivision estimates for 1980, 1982, and 1984 were compared and contrasted. It should be noted, however, that for purposes of comparability, estimates included in tables presenting results from different years were based on different data. The 1980 and 1982 statewide estimates were weighted based on school enrollment from the same 15 subdivisions. In 1984, the data were weighted, based on school enrollment from 20 subdivisions.

Table 34 compares the percent of Maryland adolescents who report using each of thirteen substances in 1980, 1982 and 1984. The most obvious finding is the marked downward trend in the current use of almost all substances, with hashish showing perhaps the largest decline across all years and age groups. Between 1980 and 1984 the percentage of young adolescents reporting hashish use dropped substantially from 8.1 percent to 3.1 percent and for middle adolescents from 23.9 percent to 7.9 percent. Late adolescents showed a similar trend in hashish use.

Small increases in current usage levels were reported for cocaine, PCP, and solvents by late adolescents. In each case, however, the increase in use was less than 1 percent between 1980 and 1984. Heroin usage by late adolescents remained constant between 1982 and 1984 at 3.2 percent.

Stimulant use declined in 1984 reversing an upward trend that was seen in previous years. The result can be seen for both young and late adolescents whose use of amphetamines peaked in 1982 at 6.9 and 13.7 percent respectively, and dropped to 3.8 and 9.8 percent respectively, in the 1984 survey. Trends in current use of barbiturates showed marked similarity to stimulant trends. A peak was reached in 1982 for current use across young, middle, and late adolescents, followed by a decline in current use in 1984.

Generally, there was a peak in 1982 among young and late adolescents in current use for about half of the individual substances, with the only excep-

TABLE 34

Percent of Maryland Adolescents Reporting Current Use of Substances 1/-- 1980, 1982, and 1984 Surveys2/

| | Young Adolescents | | | Middle Adolescents | | | Late Adolescents | | |
|---|---|---|---|---|---|---|---|---|---|
| Substances | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 |
| Marijuana | 17.1 | 14.3 | 9.3 | 44.9 | 28.1 | 22.6 | 39.0 | 33.9 | 30.0 |
| Tranquilizers | 3.8 | 3.9 | 2.7 | 11.4 | 7.9 | 5.5 | 7.0 | 8.7 | 6.4 |
| Quaaludes | 4.2 | 4.4 | 2.4 | 12.7 | 8.2 | 4.5 | 9.8 | 8.6 | 5.6 |
| Amphetamines | 5.9 | 6.9 | 3.8 | 14.9 | 13.2 | 8.0 | 10.4 | 13.7 | 9.8 |
| Cigarettes | 26.2 | 25.3 | 17.4 | 43.3 | 31.1 | 26.4 | 32.0 | 31.7 | 29.2 |
| Heroin | 2.8 | 3.0 | 2.4 | 4.9 | 3.8 | 3.3 | 2.4 | 3.7 | 3.2 |
| Cocaine | 4.6 | 4.6 | 3.1 | 11.2 | 7.4 | 6.8 | 9.9 | 10.3 | 10.7 |
| Hashish | 8.1 | 7.0 | 3.1 | 23.9 | 16.1 | 7.9 | 21.4 | 20.0 | 11.9 |
| Hallucinogens | 3.9 | 3.8 | 2.3 | 11.1 | 6.7 | 4.8 | 7.5 | 7.7 | 5.7 |
| Barbiturates | 4.3 | 4.8 | 2.9 | 10.5 | 8.8 | 5.2 | 5.5 | 7.4 | 5.4 |
| Solvents | 4.0 | 4.7 | 3.9 | 5.6 | 4.1 | 4.8 | 2.2 | 2.7 | 3.5 |
| Methamphetamines | 7.6 | 7.3 | 3.7 | 15.4 | 13.4 | 8.9 | 14.7 | 13.6 | 9.7 |
| PCP | 3.3 | 3.0 | 2.3 | 5.8 | 4.7 | 4.5 | 5.2 | 4.7 | 5.7 |

1/ Excluding Alcohol.

2/ Estimates represent weighted averages of 15 subdivisions participating in the 1980, and 1982 surveys, and weighted averages of 20 subdivisions participating in the 1984 survey.

tions being cocaine and PCP use by late adolescents. Middle adolescents showed a downward trend across all individual substances.

Overall, current use of any drug declined in each successive survey and at all age levels, as seen in Table 35. In 1980, 23.0 percent of young adolescents reported current use of any drug, but by 1984 the percentage had dropped to 12.2 percent. For middle and late adolescents the usage dropped from 38.6 and 41.7 percent to 26.1 and 33.3 percent, respectively.

Further understanding of the trends in drug use can be derived from an examination of youths reporting frequent use of substances as shown in Table 36.

Marijuana and cigarette usage showed downward trends across the years for all ages. In 1980, 6.9 percent of young adolescents indicated that they frequently used marijuana, but by 1984 only 3.5 percent indicated frequent use of the substance. The results were similar for middle adolescents, as frequent use fell from 18.7 percent in 1980 to 9.4 percent in 1984. During the same time period the percentage of late adolescents reporting frequent use of marijuana fell from 20.7 to 12.8 percent.

Among young adolescents the percentage reporting frequent use of each substance (except marijuana and cigarettes) peaked in 1982, or held constant from 1980 to 1982, and declined in 1984. Among middle adolescents two successive periods of decline in the percent reporting frequent use of tranquilizers and quaaludes are shown in the table. The use of all other substances peaked for the middle group in 1982, then declined or held constant in 1984. The pattern for late adolescents was similar to that for young adolescents, except that cocaine, PCP, and possibly solvent use continues to increase. The percentage reporting frequent use of cocaine increased from 1.4 percent to 2.2 percent in the period from 1980 to 1984. It should be noted that the percentage of middle adolescents reporting frequent use of cocaine stayed constant from 1980 to 1984 at 1.8 percent.

Despite the fact that frequent use of most individual substances peaked in 1982 then declined, the frequent use of any drug showed a constant decline across all years and age groups, as shown in Table 37. In 1980, 8.3 percent of young adolescents reported frequent use of any drug, but by 1984 the percentage reporting frequent use had dropped to 5.0 percent. Middle and late adolescents

TABLE 35

Percent of Maryland Adolescents Reporting Current Use of Any Drug
By Year--Statewide Estimates--1980, 1982, and 1984 Surveys

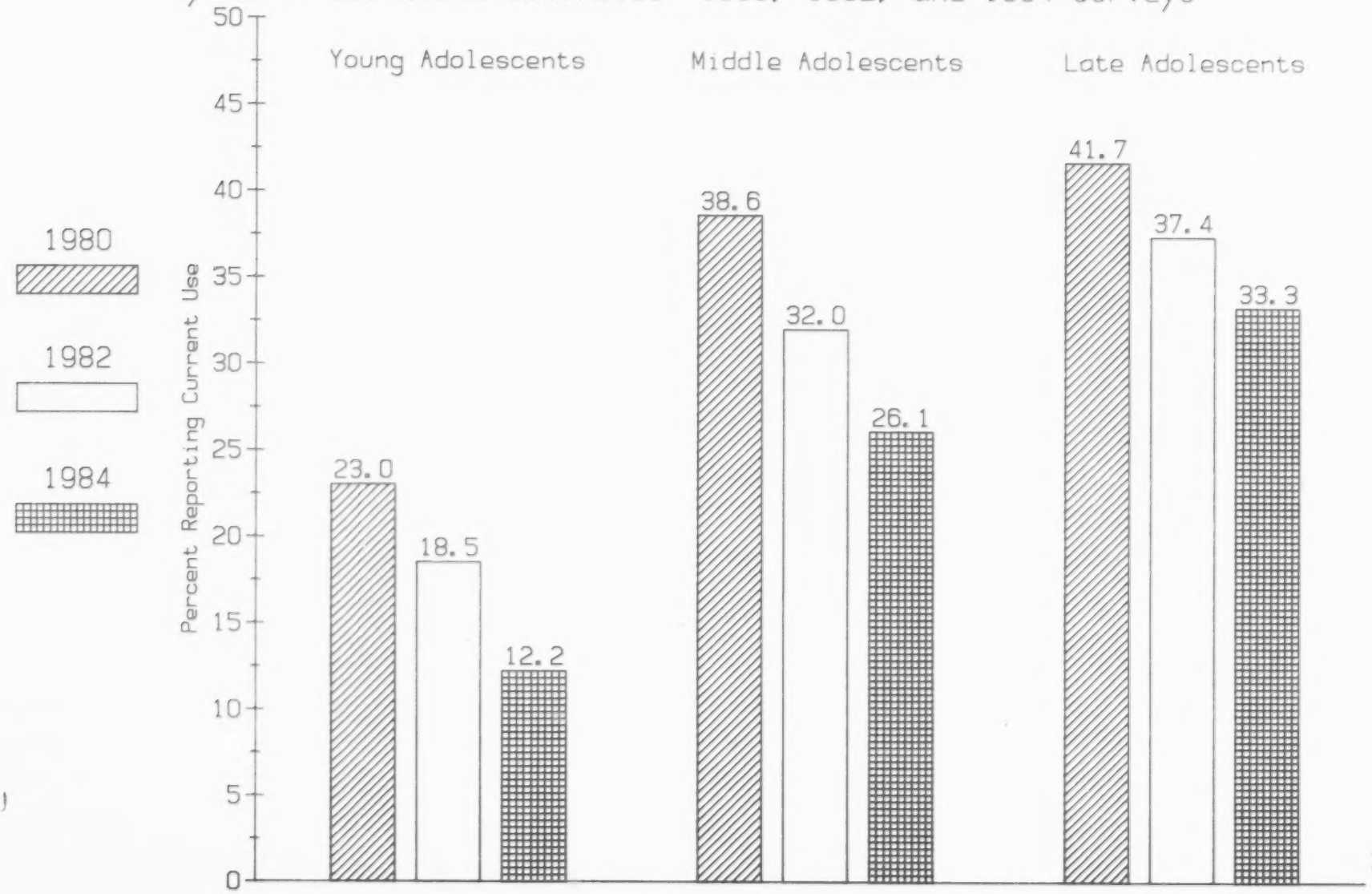


TABLE 36

Percent of Maryland Adolescents Reporting Frequent Use of Substances 1/-- 1980, 1982, and 1984 Surveys2/

| Substances | Young Adolescents | | | Middle Adolescents | | | Late Adolescents | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 |
| Marijuana | 6.9 | 5.4 | 3.5 | 18.7 | 12.3 | 9.4 | 20.7 | 17.9 | 12.8 |
| Tranquilizers | 0.8 | 1.1 | 1.0 | 2.0 | 1.9 | 1.8 | 1.2 | 2.0 | 1.5 |
| Quaaludes | 0.8 | 1.1 | 0.9 | 2.1 | 2.0 | 1.4 | 1.4 | 1.4 | 1.4 |
| Amphetamines | 1.6 | 1.9 | 1.5 | 2.6 | 3.8 | 2.5 | 2.4 | 3.9 | 2.8 |
| Cigarettes | 16.4 | 15.2 | 9.7 | 25.4 | 23.2 | 18.0 | 28.1 | 24.7 | 22.4 |
| Heroin | 0.8 | 1.2 | 1.0 | 1.7 | 1.7 | 1.6 | 1.2 | 2.9 | 1.6 |
| Cocaine | 1.2 | 1.4 | 1.2 | 1.8 | 1.8 | 1.8 | 1.4 | 1.7 | 2.2 |
| Hashish | 1.8 | 2.2 | 1.1 | 4.4 | 4.5 | 2.2 | 3.5 | 4.7 | 2.3 |
| Hallucinogens | 0.8 | 1.2 | 0.9 | 1.5 | 1.7 | 1.5 | 0.9 | 1.7 | 1.3 |
| Barbiturates | 0.9 | 1.4 | 1.0 | 1.8 | 2.0 | 1.5 | 0.9 | 1.6 | 1.6 |
| Solvents | 1.3 | 1.8 | 1.3 | 1.5 | 1.5 | 1.7 | 0.8 | 1.1 | 1.4 |
| Methamphetamines | 2.0 | 2.0 | 1.4 | 3.8 | 3.9 | 2.6 | 3.6 | 4.0 | 2.7 |
| PCP | 0.8 | 1.2 | 1.0 | 1.8 | 1.6 | 1.6 | 1.2 | 1.3 | 2.2 |

1/ Excluding Alcohol.

2/ Estimates represent weighted averages of 15 subdivisions participating in the 1980, and 1982 surveys, and weighted averages of 20 subdivisions participating in the 1984 survey.

made similar reports. Frequent use of any drug dropped from 18.5 percent in 1980 to 12.0 percent in 1984 for middle adolescents and from 20.9 percent to 15.4 percent for late adolescents. Frequent use of any substance, frequent use of alcohol, and frequent use of alcohol and one or more drugs all showed declines across all years and grade levels.

TABLE 37

Percent of Maryland Adolescents Who Frequently Use Drugs or Alcohol--1980, 1982 and 1984 Surveys

| | Young Adolescents | | | Middle Adolescents | | | Late Adolescents | | |
|---|---|---|---|---|---|---|---|---|---|
| Use | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 |
| Frequent Use of Any Drug1/ | 8.3 | 7.0 | 5.0 | 18.5 | 13.6 | 12.0 | 20.9 | 16.9 | 15.4 |
| Frequent Use of Any Substance2/ | 11.7 | 11.9 | 8.0 | 24.8 | 20.5 | 17.2 | 31.7 | 28.7 | 24.7 |
| Frequent Use of Alcohol | 7.5 | 8.9 | 5.7 | 14.9 | 15.2 | 11.0 | 22.1 | 21.9 | 17.5 |
| Frequent Use of Alcohol and One or More Drugs2/ | 4.1 | 4.1 | 2.7 | 8.6 | 8.3 | 5.8 | 11.3 | 10.1 | 8.3 |

1/ Excluding cigarettes and alcohol.

2/ Excluding cigarettes.

Tables 38 and 39 present by subdivision the percentage of Maryland adolescents reporting current use and the mean number of drugs per user. Table 38 shows that the percentage reporting current use in 1984 is less than the percentage reporting current use in 1980, across all subdivisions and all age groups without exception. Nine of the subdivisions that participated in all three surveys reported a drop in the percentage reporting current use for each age group in all three years. The other subdivisions had some fluctuation, either upward or downward in 1982, in the percent reporting current use. There is no clear trend in the mean number of drugs per user, as reported in Table 39. Wicomico and Charles Counties are the only two that reported a lower mean number of drugs per user for all age groups in 1984 as compared to 1980.

Table 40 presents the percentage of Maryland adolescents reporting drug-related problems in 1980, 1982 and 1984. Consistent with the overall decline in the reported use of any drug during these four years, adolescents in each age group are experiencing fewer problems of any type related to drug use in 1984. Over the four-year period, middle adolescents reported the largest decline (23.5 percent to 15.7 percent) in any drug-related problems, followed by young adolescents (15.9 percent to 9.1 percent), and late adolescents (24.1 percent to 20.6 percent). This pattern among age groups was also evident for specific drug-related problems. Drug-related problems, however, continue to increase with age. Family problems were the most common type of drug-related problem across the years for young adolescents. The most common drug-related problem for middle and late adolescents had been family problems, but in 1984 drug-related absences from school became the most common drug-related problem.

It is clear that, generally speaking, drug use appears to be more extensive among older adolescents but that overall levels of usage are declining. In an attempt to explain these trends in a quantitative way, an analytical model was investigated. The model studied predicts that the percentage of current drug users in a group of a given age in a given year can be estimated by adding together three components:

- An overall average level of current drug use,
- A differential factor reflecting the age level,

Table 38
Percent of Maryland Adolescents Reporting Current Use of Any Drug 1/
by Subdivision--1980, 1982, and 1984 Surveys

| Subdivision | Young Adolescents | | | Middle Adolescents | | | Late Adolescents | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 |
| Allegany | 14.0 | 10.0 | 10.0 | 34.6 | 32.7 | 25.5 | 37.8 | 39.5 | 31.4 |
| Ann Arundel | 21.8 | 20.1 | N/A | 30.5 | 29.8 | N/A | 38.0 | 32.6 | N/A |
| Baltimore City | 24.8 | 23.5 | 18.4 | 42.6 | 37.8 | 34.8 | 45.5 | 39.8 | 33.6 |
| Baltimore County | 19.3 | 16.7 | 16.8 | 41.0 | 31.5 | 33.8 | 44.2 | 42.1 | 41.5 |
| Calvert | 25.7 | 18.2 | 12.7 | 37.9 | 37.1 | 29.5 | 45.2 | 43.1 | 34.4 |
| Caroline | 17.1 | N/A | 14.6 | 24.2 | N/A | 23.5 | 35.3 | N/A | 24.9 |
| Carroll | 14.1 | 15.1 | 10.3 | 29.2 | 24.0 | 25.8 | 41.8 | 31.9 | 39.2 |
| Charles | 18.0 | 19.0 | 11.4 | 35.4 | 29.8 | 32.1 | 35.6 | 39.5 | 26.0 |
| Dorchester | N/A | N/A | 12.5 | N/A | N/A | 27.6 | N/A | N/A | 29.1 |
| Frederick | 16.9 | 13.1 | 12.5 | 38.6 | 33.7 | 21.4 | 39.3 | 31.8 | 33.9 |
| Garrett | N/A | 10.7 | 7.4 | N/A | 23.2 | 22.2 | N/A | 28.8 | 24.7 |
| Harford | 16.9 | 16.1 | 13.3 | 35.4 | 31.2 | 29.9 | 42.7 | 37.1 | 35.6 |
| Howard | 17.1 | 15.4 | 6.8 | 33.4 | 24.4 | 21.1 | 39.8 | 34.7 | 30.1 |
| Montgomery | 11.7 | 14.4 | 8.7 | 28.8 | 19.3 | 22.5 | 36.4 | 29.3 | 22.5 |
| Prince George's | N/A | 13.9 | 6.8 | N/A | 31.0 | 20.5 | N/A | 33.1 | 36.7 |
| Queen Anne's | 16.9 | 12.5 | 14.2 | 45.3 | 25.2 | 28.3 | 46.8 | 42.0 | 30.8 |
| St. Mary's | 27.7 | N/A | 12.5 | 36.8 | N/A | 23.6 | 51.2 | N/A | 27.7 |
| Somerset | 18.7 | 10.2 | 10.6 | 33.5 | 19.9 | 19.4 | 42.2 | 40.2 | 28.6 |
| Washington | 17.4 | 16.5 | 12.3 | 32.2 | 25.1 | 21.1 | 28.9 | 28.1 | 27.1 |
| Wicomico | 21.1 | 19.2 | 17.4 | 39.0 | 28.3 | 33.7 | 47.5 | 36.1 | 33.9 |
| Worcester | 18.9 | 17.4 | 15.0 | 30.0 | 28.2 | 25.4 | 41.0 | 38.5 | 30.8 |
| Statewide | 18.5 | 16.9 | 12.2 | 35.6 | 29.9 | 26.1 | 40.3 | 35.7 | 33.3 |

1/ Excluding cigarettes and alcohol.

TABLE 39

Mean Number of Drugs Per User[1/] by Subdivision--
1980, 1982, and 1984 Surveys

| Subdivisions | Young Adolescents | | | Middle Adolescents | | | Late Adolescents | | |
|---|---|---|---|---|---|---|---|---|---|
| | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 |
| Allegany | 5.4 | 3.5 | 5.2 | 3.7 | 4.3 | 4.3 | 3.0 | 3.6 | 3.9 |
| Ann Arundel | 3.9 | 5.2 | N/A | 4.3 | 4.4 | N/A | 4.0 | 4.5 | N/A |
| Baltimore City | 3.0 | 2.9 | 2.4 | 2.5 | 3.4 | 2.7 | 2.4 | 2.9 | 2.8 |
| Baltimore County | 3.3 | 3.3 | 3.3 | 3.9 | 3.6 | 3.4 | 3.3 | 3.7 | 3.1 |
| Calvert | 4.2 | 3.5 | 4.0 | 4.7 | 4.6 | 5.3 | 3.1 | 4.6 | 3.8 |
| Caroline | 4.3 | N/A | 5.8 | 3.8 | N/A | 3.6 | 3.6 | N/A | 3.9 |
| Carroll | 3.4 | 3.4 | 2.1 | 4.2 | 4.3 | 5.3 | 3.7 | 4.1 | 4.5 |
| Charles | 4.2 | 3.4 | 3.2 | 4.2 | 3.8 | 3.9 | 3.7 | 3.4 | 3.2 |
| Dorchester | N/A | N/A | 3.4 | N/A | N/A | 2.8 | N/A | N/A | 2.8 |
| Frederick | 3.7 | 4.7 | 4.3 | 4.5 | 4.1 | 3.3 | 3.9 | 3.5 | 3.3 |
| Garrett | N/A | 2.1 | 2.7 | N/A | 3.8 | 3.5 | N/A | 3.2 | 3.0 |
| Harford | 2.7 | 4.0 | 3.5 | 3.8 | 4.5 | 4.0 | 3.2 | 3.4 | 3.5 |
| Howard | 3.7 | 4.9 | 3.9 | 3.5 | 3.9 | 3.5 | 3.2 | 3.2 | 3.3 |
| Montgomery | 3.9 | 4.6 | 4.6 | 3.2 | 3.5 | 3.2 | 3.1 | 3.0 | 3.2 |
| Prince George's | N/A | 3.7 | 4.4 | N/A | 3.4 | 3.0 | N/A | 3.1 | 3.3 |
| Queen Anne's | 3.0 | 2.2 | 3.0 | 4.6 | 3.6 | 3.5 | 3.5 | 3.5 | 3.1 |
| St. Mary's | 4.2 | N/A | 3.5 | 3.9 | N/A | 3.5 | 4.6 | N/A | 3.2 |
| Somerset | 3.9 | 2.5 | 1.8 | 2.9 | 4.5 | 3.8 | 2.5 | 3.4 | 3.0 |
| Washington | 3.9 | 3.6 | 3.9 | 3.9 | 4.2 | 3.5 | 3.6 | 3.6 | 3.5 |
| Wicomico | 3.5 | 3.9 | 3.0 | 3.6 | 3.9 | 3.5 | 3.6 | 3.3 | 3.4 |
| Worcester | 3.8 | 3.7 | 3.4 | 3.3 | 3.7 | 3.1 | 2.8 | 3.6 | 3.4 |
| Statewide | 3.5 | 3.7 | 3.4 | 3.5 | 3.9 | 3.3 | 3.3 | 3.6 | 3.2 |

1/ Excluding cigarettes and alcohol.

TABLE 40

Percent of Maryland Adolescents Reporting Drug-Related Problems--
1980, 1982, and 1984 Surveys

| | Young Adolescents | | | Middle Adolescents | | | Late Adolescents | | |
|---|---|---|---|---|---|---|---|---|---|
| Use | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 |
| Absences from School | 6.7 | 5.3 | 4.4 | 10.9 | 9.4 | 8.3 | 12.1 | 11.4 | 12.1 |
| Health Problems | 5.3 | 5.0 | 3.6 | 8.1 | 7.3 | 5.2 | 8.0 | 7.9 | 6.7 |
| School Problems | 7.8 | 5.4 | 4.0 | 10.4 | 8.8 | 7.4 | 10.6 | 9.9 | 9.7 |
| Family Problems | 8.0 | 6.9 | 4.6 | 12.7 | 10.8 | 7.7 | 13.3 | 12.4 | 10.2 |
| Legal Problems | 4.5 | 3.9 | 3.1 | 6.0 | 6.1 | 5.0 | 6.2 | 5.9 | 5.8 |
| Any Type of Problems Listed Above | 15.9 | 13.9 | 9.1 | 23.5 | 20.9 | 15.7 | 24.1 | 23.2 | 20.6 |

- A differential factor reflecting the year that that group was in eighth grade.

- A differential factor reflecting the possibility that overall usage levels in urban counties may be different from those in rural counties.

The significance of the model is that it separates changes (usually increases) in drug usage that accompany aging, from overall trends in usage.

The model estimated is:

$$y_{ijk} = a + b_i + c_j + u$$

where $y_{ijk}$ is the percentage of current users in the group of students currently in the ith grade who were in the jth cohort (e.g., in 8th grade in 1980) in subdivision k, "a" is the average percentage level of drug usage, $b_i$ is the amount current usage is estimated to differ from the overall level for the ith age group, and $c_j$ is the amount current usage is expected to differ from the average level depending upon when the group was in 8th grade. "u" is the estimated amount that usage in urban areas typically deviates from usage in more rural subdivisions.

The model was estimated with 168 cases and accounted for 83 percent of the variation in the data, which is good for data of this type. It was found, in order of importance, that age level, cohort year, and urban/rural subdivision type were all significant factors in explaining current drug use. Interactions of these variables were found not to be important.

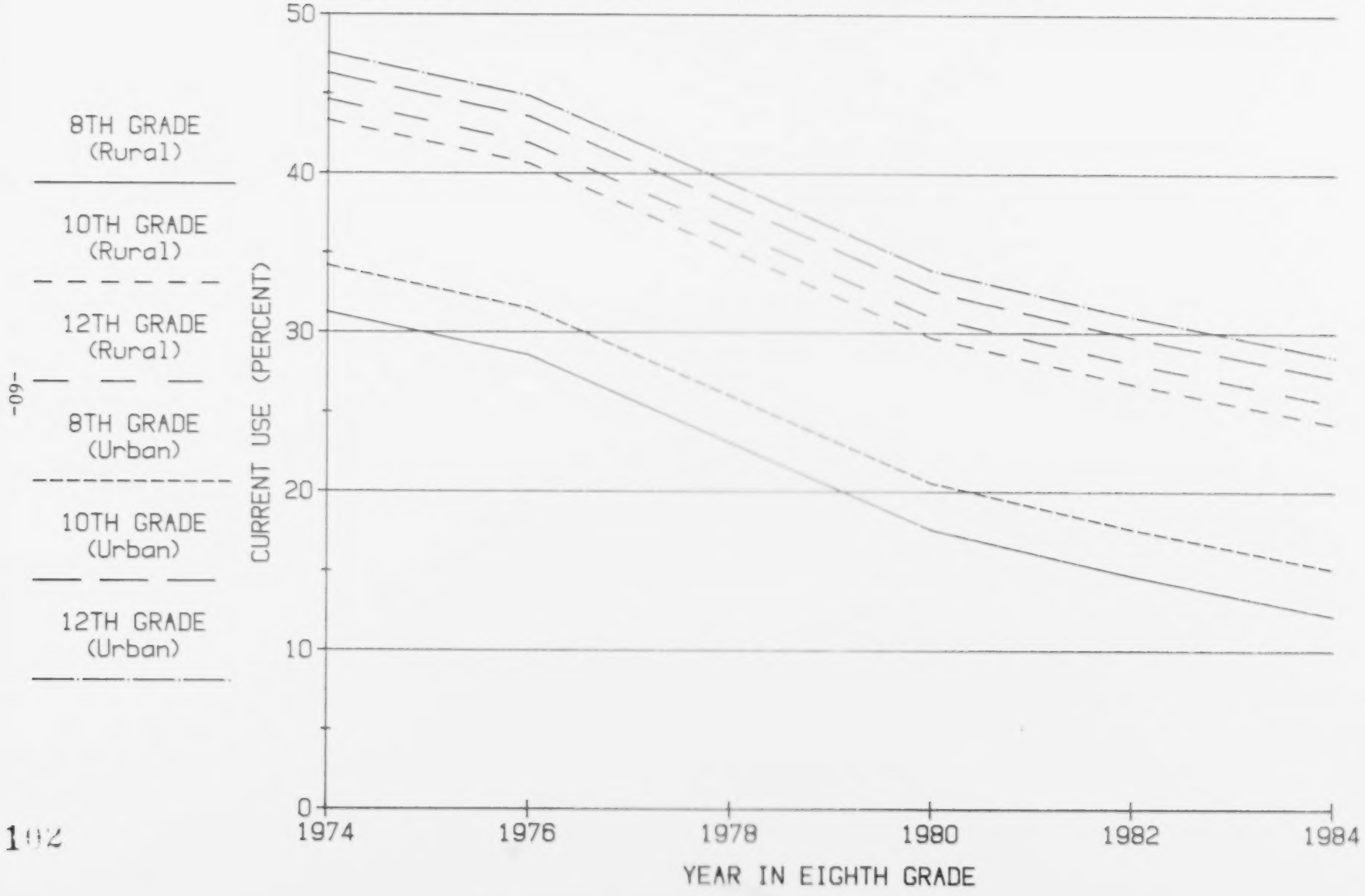
Table 41 displays the predicted percentage of current drug use from the model as a function of the study cohort, grade level, and urban/rural location. For a given cohort, say 1980 8th graders, the points on the six lines show the usage levels by urban/rural location in 8th, 10th, and 12th grade (as estimated by the model).

Table 41 reflects our estimate that, over time, 12.1 percent more 10th graders than 8th graders are current users and 1.3 percent more 12th graders than 10th graders use drugs. Thus, there is typically a steep rise in usage between 8th and 10th grade, which slows between 10th and 12th grade.

The time series analysis suggests that the overall propensity to use drugs has been declining steadily. Relative to the usage level of the 1974 cohort the later cohorts' relative levels were:

# TABLE 41

Estimated Current Drug Use by Cohort Year and Grade



- 1976: -2.4 percent
- 1978: -8.1 percent
- 1980: -13.6 percent
- 1982: -16.5 percent
- 1984: -19.0 percent

Also, urban counties consistently have a slightly larger percentage of current users than is the case in rural counties (about 2 percent).

## 6. COMPARISON OF MARYLAND RESULTS WITH A NATIONWIDE STUDY

The National Institute on Drug Abuse (NIDA) recently released the results of its 1984 annual survey of student drug use in America.2/ These data were gathered in annual nationwide surveys that involved more than 16,000 high school seniors per year from public and private schools. Unlike the Maryland survey, which covered 8th, 10th, and 12th graders, the national data were gathered on 12th graders only. The wording of the frequency of use response categories used in the national survey was not identical to that of Maryland survey categories, thus caution must be exercised when comparing the results. Current use in the national survey covered the 30-day period prior to the survey, whereas in the Maryland survey current use was defined to include an open-ended period of time. Because of the difference in methodology, higher usage rates in Maryland can be expected. But, despite these methodological differences, it is possible to obtain a useful perspective on drug use trends among Maryland's late adolescents by comparing their reports with national findings.

Table 42 presents the reported current use of individual substances for 1980, 1982, and 1984 from the nationwide study and from the Maryland surveys for late adolescents (12th graders) only.

An examination of the data reveals that reported current use of all substances except cigarettes is higher among Maryland late adolescents than among their national counterparts. In 1984, the 30.0 percent reported current use of marijuana among Maryland adolescents is only slightly higher than the

2/ Monitoring The Future Study: 1984. National Institute on Drug Abuse, January, 1985.

reported national current use of 25.2 percent. Comparison of usage levels between Maryland seniors and seniors nationwide indicate that usage levels are 1.9 percent to 4.9 percent higher for the other drugs analyzed. The sole exception is cigarettes, for which the Maryland usage level is estimated to be slightly below the national norm.

Trends in drug usages from 1980 to 1984 are consistent across the two studies. A pattern of general reduction in drug usage was found in both studies. On the other hand, there has been a gradual increase in the reported current use of cocaine, in both the Maryland sample and the national study. PCP usage also increased slightly for both studies. In summary, the late adolescent drug abuse problem in Maryland seems to be abating somewhat; however, when compared with other American high school seniors, it is still at a markedly higher level.

TABLE 42

Percent of Late Adolescents Nationwide[1/] and in Maryland Reporting Current Use[2/] of Substances in 1980, 1982, and 1984

| | Late Adolescents | | | | | |
|---|---|---|---|---|---|---|
| | Nationwide | | | Maryland | | |
| Substance | 1980 | 1982 | 1984 | 1980 | 1982 | 1984 |
| Marijuana | 33.7 | 28.5 | 25.2 | 39.0 | 33.9 | 30.0 |
| Tranquilizers | 3.1 | 2.4 | 2.1 | 7.0 | 8.7 | 6.4 |
| Amphetamines | 12.1 | 13.7 | N/A | 10.4 | 13.7 | 9.8 |
| Cigarettes | 30.5 | 30.0 | 29.3 | 32.0 | 31.7 | 29.2 |
| Heroin | 0.2 | 0.2 | 0.3 | 2.4 | 3.2 | 3.2 |
| Cocaine | 5.2 | 5.0 | 5.8 | 9.9 | 10.3 | 10.7 |
| Hallucinogens | 3.7 | 3.4 | 2.6 | 7.5 | 7.7 | 5.7 |
| Barbiturates | 2.9 | 2.0 | 1.7 | 5.5 | 7.4 | 5.4 |
| PCP | 1.4 | 1.0 | 1.6 | 5.2 | 4.7 | 5.7 |

1/ Source of Nationwide Data: Monitoring the Future Study, 1984 National Institute on Drug Abuse, January 1985.

2/ Current use in the national study is defined as used at least once in the 30 days prior to the survey.

## SUMMARY AND CONCLUSIONS

This report presented the results of the 1984 Survey of Drug Abuse Among Maryland Adolescents. In addition, it outlined adolescent drug abuse patterns and trends in the State from 1980 to 1984 and compared Maryland findings with a nationwide drug use study.

Drug abuse, as reported by young, middle, and late adolescents between 1980, 1982, and 1984 declined in Maryland. This observation is supported by the following key findings:

- The percentages of current or frequent users of most substances at all age levels has declined. The principal exceptions are cocaine, PCP, and solvent use among late adolescents, whose usage has increased a small amount.
- The percentages of current or frequent users of drugs have declined.
- An analytical model capable of separating changes in usage due to aging from general trends over time found significant decreases from year to year.

Although usage levels are down, users continue to use a variety of drugs. The mean number of drugs per user did not change significantly in 1984.

Consistent with the drop in usage levels, the level of drug-related problems also declined. Middle and late adolescents reported the most problems with school attendance, displacing family concerns as the most frequent type of problem.

These drug use patterns are consistent with national trends reported in the recently released results of an annual survey of high school seniors. It should be noted that despite the similar trends, Maryland late adolescents reported higher usage levels of all substances except cigarettes. Cocaine use increased for both Maryland adolescents and for high school seniors nationally.

Survey results in 1984 also revealed interesting relationships between several important factors such as demographic characteristics and drug-related problems and current and/or frequent drug use. The 1984 survey showed that:

- Male adolescents reported greater percentages of current use of any drug, excluding cigarettes, than female adolescents.

- Adolescents not planning to attend college reported greater percentages of current drug use than those planning to attend.

- Adolescents reporting a failing grade average in school reported greater percentages of current drug use than those reporting excellent grades.

- Race was not a significant factor differentiating current drug use.

- Adolescents with greater amounts of weekly spending money reported greater percentages of current drug use than those with less spending money.

- Adolescents with no siblings or with 5 or more siblings had higher percentages of current users than did other adolescents.

- Adolescents whose parents had few years of formal education reported higher percentages of current use than did youths whose parents had higher levels of education.

Finally, a notable relationship emerged between drug-related problems and frequent use. Frequent users of drugs were more likely to report experiencing drug-related problems than non-users and other than frequent users.

APPENDIX A

# MARYLAND ADOLESCENT SURVEY 1984

This questionnaire has been developed by the State Drug Abuse Administration and the Department of Education to survey students' knowledge, attitudes, and experiences concerning the use of drugs and alcohol. Your school is one of the schools chosen to participate in this research.

This study will give us important information that will be used to improve the prevention and treatment programs and services provided for the young people of Maryland. Consequently, your participation is a valuable contribution to these efforts. However, filling out the survey will not be related to your school record in any way.

To make sure no one will know which questionnaire is yours, it is important that you DO NOT SIGN THE QUESTIONNAIRE BOOKLET OR ANSWER SHEET. The serial number on the upper left-hand corner of the answer sheet is for data processing use only. Because your answers will be confidential, we hope that you will feel free to tell us about yourself honestly. The important thing is to tell us what you know and think about drugs and alcohol, whether or not you use them.

In recent years, there has been considerable confusion and misunderstanding by parents, educators, and State officials of how young people feel about drug and alcohol usage. It is hoped that this survey will give you some opportunity to express your own ideas about drugs.

## DIRECTIONS

To answer a question, darken the circle corresponding to the one best answer. The important things to remember are:

1. Use a soft (Number 2) pencil. Do not use a ball-point or felt-tip pen.
2. Make your mark as large as you can without going outside the circles.
3. Make heavy, black marks.
4. Consider all the possible answers, and then choose the one best answer.

If you change your mind about an answer, erase your first mark thoroughly. Make no stray marks anywhere on the answer sheet. Do not write in any answers that are not already given. Keep it clean and free from smudges. Do not fold or bend the corners. If you wish to make a comment about a question, you may ask for a sheet of paper when you have finished.

Questions on the survey will be like the one in the example below. In choosing an answer, pick the number of the one best answer for the question. Darken the circle corresponding to that answer on the answer sheet in the box labeled "Example." After you have marked your answer to the example, do not go on until you are told to do so. If you have any questions, please ask them now. If you do not have a Number 2 pencil, please raise your hand. You may now complete the example.

### Example

What month is this?

(1) September
(2) October
(3) November
(4) December
(5) January

Remember, do not write your name on this booklet or on the answer sheet. Read all the instructions, questions, and possible answers before completing the questionnaire. When you have finished answering all the questions, please wait quietly for your classmates to finish their questionnaires. We appreciate your cooperation.

**PLEASE DO NOT WRITE ON THIS BOOKLET**

## PART I

1. What was your age on your last birthday?

   (1) Eleven or under
   (2) Twelve
   (3) Thirteen
   (4) Fourteen
   (5) Fifteen
   (6) Sixteen
   (7) Seventeen
   (8) Eighteen or over

2. What is your grade level in school?

   (1) Seventh
   (2) Eighth
   (3) Ninth
   (4) Tenth
   (5) Eleventh
   (6) Twelfth

3. Do you plan to attend college?

   (1) No
   (2) Yes
   (3) Not sure

4. What was your approximate grade average last year?

   (1) Excellent
   (2) Good
   (3) Satisfactory
   (4) Fair
   (5) Failing

5. What is your sex?

   (1) Male
   (2) Female

6. Which best describes you?

   (1) White (Not of Hispanic Origin)
   (2) Black (Not of Hispanic Origin)
   (3) Hispanic
   (4) Oriental (Asian)
   (5) Other

7. How many brothers and sisters are living with you (including step- and half-brothers and sisters)?

   (1) None
   (2) One
   (3) Two
   (4) Three
   (5) Four
   (6) Five or more

8. About how much money do you have to spend each <u>week</u>?

   (1) Less than $5.00
   (2) $5.00 to $9.99
   (3) $10.00 to $19.99
   (4) $20.00 to $29.99
   (5) $30.00 to $39.99
   (6) $40.00 or more

9. What is the major source of your spending money?

   (1) Parents, including allowance
   (2) Wages from job
   (3) Parents and job
   (4) Other

10. How many grades of school were completed by your father?

    (1) Less than seven
    (2) Seven to nine
    (3) Some high school
    (4) High school graduate
    (5) Some college
    (6) College graduate
    (7) Graduate work (education beyond four years of college)
    (8) Don't know

11. How many grades of school were completed by your mother?

(1) Less than seven
(2) Seven to nine
(3) Some high school
(4) High school graduate
(5) Some college
(6) College graduate
(7) Graduate work (education beyond four years of college)
(8) Don't know

12. Do you presently attend a Vocational Technical (Voc-Tech) school?

(1) No
(2) Yes
(3) Not sure

## PART II

**Questions 13 through 25 ask whether or not certain drugs can be dangerous to your health. Choose the one best answer for each drug and darken the circle corresponding to your answer on your answer sheet. Your choices are:**

(1) I believe the drug can be dangerous
(2) I believe the drug cannot be dangerous
(3) I do not know if the drug can be dangerous
(4) I have never heard of the drug

13. Amphetamines (Dexedrine, "pep pills," "uppers," "stims," "black beauties")

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

14. Methamphetamines (Methedrine, "speed," "crystal")

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

15. Nonprescription pain killers (aspirin, Bufferin, Anacin, Tylenol)

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

16. Prescription pain killers (codeine, morphine, Darvon, Tylenol with codeine, Percodan, Dilaudids)

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

17. Tranquilizers (Valium, Librium, "vees," "tranqs", Dalmane, Halcion)

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

GO TO QUESTION 18

18. Barbiturates (Nembutal, Seconal, "downers," "reds," "yellows," "Xmas trees")

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

19. Cocaine ("coke," "snow," "toot," "girl")

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

20. Hallucinogens (STP, LSD, or "acid," DMT, "dots," MDA)

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

21. Quaaludes ("soapers," "ludes," "lemons," "mandrax," "quaas")

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

22. Cigarettes

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

23. Marijuana ("pot," "grass," "weed," "joint," "blow," "reefer")

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

24. Alcohol (beer, liquor, wine - exclude religious use)

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

25. PCP (phencyclidine, "angel dust")

(1) Can be dangerous (3) Do not know
(2) Cannot be dangerous (4) Never heard of it

## PART III

**This next group of questions asks about some drugs you may have heard of. There is one correct answer for each question. Please do not guess at answers. If you do not know an answer, please darken the circle (4) on your answer sheet, meaning "I don't know."**

26. If a person takes amphetamines ("uppers"), he or she:

(1) Becomes sleepy
(2) Stays awake, even though tired
(3) Becomes hungry
(4) I don't know

27. A razor blade is used in the preparation of:

(1) Marijuana
(2) Cocaine
(3) PCP
(4) I don't know

28. A "powder princess" refers to:

(1) High quality heroin
(2) A female cocaine user
(3) A type of diet pill
(4) I don't known

29. If a person takes a barbiturate ("downer"), he or she:

(1) Sees things
(2) Becomes sleepy
(3) Will be wide awake
(4) I don't know

30. "Love Boat" or "Luv Boat" is:

(1) The mixing of alcohol and pills
(2) A "high" from taking drugs
(3) Marijuana laced (mixed) with PCP
(4) I don't know

31. LSD is a:

(1) Narcotic
(2) Stimulant
(3) Hallucinogen
(4) I don't know

32. Which of the following is a narcotic?

(1) Methedrine
(2) Heroin
(3) Mescaline
(4) I don't know

33. If a person takes quaaludes ("ludes"), which of the following will not happen?

(1) Slurred speech and drunken behavior
(2) Increased alertness
(3) Becoming addicted
(4) I don't know

34. "Freebasing" is:

(1) Borrowing drugs from friends
(2) Not getting caught in an illegal drug sale
(3) Changing cocaine to a substance that can be smoked
(4) I don't know

35. "Flakes" refer to:

(1) Marijuana
(2) PCP on parsley
(3) Cocaine
(4) I don't know

36. A "roach" is:

(1) A narcotics agent
(2) A bad trip
(3) The butt of a joint
(4) I don't know

37. First offense for possession of marijuana in Maryland can get a person:

(1) At most 5 years and/or $1,000 fine
(2) At most 1 year and/or $1,000 fine
(3) At most 30 days and/or $100 fine
(4) I don't know

38. Hashish or hash is:

(1) An amphetamine
(2) A water pipe
(3) From the same plant as marijuana
(4) I don't know

39. PCP (phencyclidine) is most frequently:

(1) Taken orally, in pill form
(2) Inhaled or sniffed
(3) Sprayed on parsley and smoked
(4) I don't know

40. "Bam" is:

(1) Preludin
(2) Cocaine
(3) An inhalant
(4) I don't know

41. The most life-threatening type of withdrawal is from:

(1) Amphetamines
(2) Barbiturates
(3) Heroin
(4) I don't know

42. "Huffing" means:

(1) Smoking hashish
(2) Sniffing glue
(3) Snorting heroin
(4) I don't know

43. "Cold turkey" means

(1) Disposing of drugs during a raid
(2) Spending time in a Federal prison
(3) Getting off drugs without medical help
(4) I don't know

44. Withdrawal pains are <u>not</u> felt by the person who stops taking:

(1) Heroin
(2) Barbiturates ("downers")
(3) Mescaline
(4) I don't know

**PART IV**

45. Babies born to mothers who are narcotic addicts are most likely to:

(1) Be addicted and undergo withdrawal
(2) Be normal babies
(3) Be twins
(4) I don't know

46. "Chipping" refers to:

(1) Smoking marijuana
(2) The use of cocaine
(3) Occasional or weekend use of heroin
(4) I don't know

47. Drinking alcohol and taking barbiturates together may lead to:

(1) Death
(2) Increased energy
(3) Hepatitis
(4) I don't know

48. "Crank" refers to:

(1) Cocaine that has been cut with other substances
(2) Injecting drugs
(3) Methamphetamines
(4) I don't know

49. "Rush" is:

(1) The feeling of being high on drugs
(2) A substance that can be inhaled
(3) Pressure from friends or peers to use drugs
(4) I don't know

## PART V

**In questions 50 through 63, indicate which, if any, of the following substances or drugs you have used WITHOUT A DOCTOR'S ORDER OR DIRECTION TO YOU. For each question, pick out the one answer that is correct for you. That is, whether you never used the substance or the age at which you first used it. Darken the circle corresponding to your answer.**

50. At what age, if ever, did you first use marijuana, ("pot," "grass," "weed," "joint," "blow," "reefer")?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

51. At what age, if ever, did you first use tranquilizers (Valium, Librium, "vees," "tranqs," Dalmane, Halcion)?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

52. At what age, if ever, did you first use Quaaludes ("soapers," "ludes," "lemons," "quaas," "mandrax")?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

53. At what age, if ever, did you first use amphetamines (Dexedrine, "pep pills," "uppers," "stims," "black beauties")?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

54. At what age, if ever, did you first use cigarettes?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

55. At what age, if ever, did you first use heroin ("junk," "H," "smack," "boy")?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

56. At what age, if ever, did you first use cocaine ("coke," "snow," "toot," "girl")?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

57. At what age, if ever, did you first use hashish?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

58. At what age, if ever, did you first use hallucinogens (STP, LSD or "acid," DMT, "dots," MDA)?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

59. At what age, if ever, did you first use barbiturates (Nembutal, Seconal, "downers," "reds," "yellows," "Xmas trees")?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

60. At what age, if ever, did you first use solvents (glue, cleaning fluid, paint)?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

61. At what age, if ever, did you first use methamphetamines (Methedrine, "speed," "crystal")?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

62. At what age, if ever, did you first use PCP (phencyclidine, "angel dust")?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

63. At what age, if ever, did you first use alcohol (beer, liquor, wine - excluding religious use)?

(1) Never used
(2) Ten or under
(3) Eleven
(4) Twelve
(5) Thirteen
(6) Fourteen
(7) Fifteen
(8) Sixteen
(9) Seventeen
(10) Eighteen or above

## PART VI

**In questions 64 through 77, pick out the answer that best describes your current use or non-use of each of the following substances or drugs WITHOUT A DOCTOR'S ORDER OR DIRECTION TO YOU. Choose one of the seven answers listed below for each substance and darken the corresponding circle on your answer sheet.**

(1) I have never used it
(2) I have used it or tried it, but I am not currently using it
(3) I currently use it less than once a month
(4) I currently use it about once a month
(5) I currently use it about once a week
(6) I currently use it several times a week
(7) I currently use it one or more times a day

| | Substance Or Drug | Never Used | Used or Tried But Not Currently Using | Current Use: Use Less Than Once a Month | Use Once a Month | Use Once a Week | Use Several Times a Week | Use Once or More a Day |
|---|---|---|---|---|---|---|---|---|
| 64. | Marijuana ("pot," "grass," "weed," "joint," "blow," "reefer") | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 65. | Tranquilizers (Valium, Librium, "vees," "tranqs," Dalmane, Halcion) | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 66. | Quaaludes ("soapers," "ludes," "lemons," "mandrax", "quaas") | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 67. | Amphetamines (Dexedrine, "pep pills," "uppers," "stims," "black beauties") | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 68. | Cigarettes | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 69. | Heroin ("junk," "H," "smack," "boy") | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 70. | Cocaine ("coke," "snow," "toot," "girl") | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 71. | Hashish | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 72. | Hallucinogens (STP, LSD or "acid," DMT, "dots," MDA) | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 73. | Barbiturates (Nembutal, Seconal, "downers," "reds," "yellows," "Xmas trees") | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 74. | Solvents (glue, cleaning fluid, paint) | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 75. | Methamphetamines (Methedrine, "speed," "crystal") | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 76. | PCP (phencyclidine, "angel dust") | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 77. | Alcohol (beer, liquor, wine--excluding religious use) | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

## PART VII

78. During the past year, how often, if at all, did you drink beer?

(1) Never
(2) Less than once a month
(3) Once a month
(4) Every other week
(5) Once a week
(6) Two to three days a week
(7) Four to six days a week
(8) Daily

79. During the times you drank beer (as indicated in Question 78), about what quantity did you usually drink? (A beer is a 12 oz. bottle)

(1) I didn't drink beer this past year
(2) Two beers or less
(3) Three to four beers
(4) Five to six beers
(5) Seven to ten beers
(6) Eleven or more beers

80. During the past year, how often, if at all, did you drink wine (excluding religious use)?

(1) Never
(2) Less than once a month
(3) Once a month
(4) Every other week
(5) Once a week
(6) Two to three days a week
(7) Four to six days a week
(8) Daily

81. During the times you drank wine (as indicated in Question 80), about what quantity did you usually drink? (A "glass" is half an 8 oz. glass; a "bottle" is a 24 oz. bottle or fifth).

(1) I didn't drink wine this past year
(2) Two glasses or less
(3) Three to four glasses
(4) Five to six glasses
(5) Seven or more glasses
(6) Less than one-half bottle
(7) One-half bottle to one bottle
(8) One bottle or more

82. During the past year, how often, if at all, did you drink hard liquor (whiskey, gin, vodka, etc.)?

(1) Never
(2) Less than once a month
(3) Once a month
(4) Every other week
(5) Once a week
(6) Two to three days a week
(7) Four to six days a week
(8) Daily

83. During the times you drank liquor (as indicated in Question 82), what quantity did you usually drink? (A drink is made with 1 to 1 1/2 oz. of liquor)

(1) I didn't drink liquor this past year
(2) One to two drinks or less
(3) Three to four drinks
(4) Five to six drinks
(5) Seven to ten drinks
(6) Eleven or more (one pint or more)

## PART VIII

**Questions 84 through 86 ask about using alcohol and marijuana together. If you do not use alcohol and marijuana, or if you use just one of them, fill in the circle for (1) on your answer sheet, meaning "Does not apply," for each of the three questions.**

84. How often, if at all, do you use both marijuana and alcohol together (on the same occasion or at the same time of day)?

(1) Does not apply--I do not use alcohol and marijuana or I use only one of them
(2) I use both but never at the same time
(3) I seldom use them at the same time
(4) I sometimes use them at the same time
(5) I usually use them at the same time
(6) I always use them at the same time

85. If you currently use both marijuana and alcohol, which do you prefer?

(1) Does not apply--I do not use alcohol and marijuana or I use only one of them
(2) I use both, but prefer marijuana to alcohol
(3) I use both, but prefer alcohol to marijuana
(4) I use both, but I have no preference--I like them equally well

86. If you currently use both marijuana and alcohol, what makes you decide whether to use one or the other? Choose the ONE BEST ANSWER.

(1) Does not apply--I do not use alcohol and marijuana or I use only one of them
(2) I always use them together
(3) I use whichever one is available
(4) I use whichever one I can afford
(5) I use whichever one my friends are using
(6) It depends on what I plan to be doing
(7) It depends on how I want to feel
(8) None of the above--something else makes me decide

## PART IX

87. Have you ever been absent from school because you used drugs (excluding alcohol)?

(1) No
(2) Yes

88. Have you ever had health problems because you used drugs (excluding alcohol)?

(1) No
(2) Yes

89. Have you ever had problems at school because you used drugs (excluding alcohol)?

(1) No
(2) Yes

90. Have you ever had family problems because you used drugs (excluding alcohol)?

(1) No
(2) Yes

91. Have you ever had any problems with the law because you used drugs (excluding alcohol)?

(1) No
(2) Yes

92. Have you ever been admitted to an emergency room because you used drugs (excluding alcohol)?

(1) No
(2) Yes

93. Have you ever been in treatment because you used drugs (excluding alcohol)?

(1) No
(2) Yes

**PART X**

94. Have you ever been absent from school because you used alcohol?

(1) No
(2) Yes

95. Have you ever had health problems because you used alcohol?

(1) No
(2) Yes

96. Have you ever had problems at school because you used alcohol?

(1) No
(2) Yes

97. Have you ever had family problems because you used alcohol?

(1) No
(2) Yes

98. Have you ever had any problems with the law because you used alcohol?

(1) No
(2) Yes

99. Have you ever been admitted to an emergency room because you used alcohol?

(1) No
(2) Yes

100. Have you ever been in treatment because you used alcohol?

(1) No
(2) Yes

**PART XI**

101. Indicate the number of times, if any, during the past year, you have been "high" or "bombed" on alcohol.

(1) I have never used alcohol in my life
(2) I have used alcohol but have never been "high" or "bombed"
(3) I have not been "high" or "bombed" in the past year
(4) Once in past year
(5) Twice in past year
(6) Three to four times in past year
(7) Five to ten times in past year
(8) More than ten times in past year

102. Indicate the number of times, if any, during the past year, you have been "high" or "stoned" on *drugs (excluding alcohol)*.

(1) I have never used drugs in my life
(2) I have used drugs but have never been "high" or "stoned"
(3) I have not been "high" or "stoned" in the past year
(4) Once in past year
(5) Twice in past year
(6) Three to four times in past year
(7) Five to ten times in past year
(8) More than ten times in past year

**PART XII**

103. Do you know of any hotlines or crisis centers in your area?

(1) No
(2) Yes

104. Have you ever called a hotline or gone to a crisis center with a drug or alcohol problem?

(1) No
(2) Yes

**PART XIII**

**In questions 105 to 111, explain what alcohol and other Drug Education programs you have participated in at this school or at another school you attended. If the program was not offered, mark the circle for ③ , "It was not offered," on your answer sheet.**

105. Have you participated in a school program featuring alcohol or drug films?

(1) No, but it was offered
(2) Yes
(3) It was not offered
(4) Don't know

106. Have you participated in Health Education classes or courses on alcohol or drugs?

(1) No, but it was offered
(2) Yes
(3) It was not offered
(4) Don't know

107. Have you participated in classes on alcohol or drugs in courses other than Health Education?

(1) No, but it was offered
(2) Yes
(3) It was not offered
(4) Don't know

108. Have you participated in program(s) sponsored by Student Alcohol/Drug Committees?

(1) No, but it was offered
(2) Yes
(3) It was not offered
(4) Don't know

109. Have you participated in small group discussions on alcohol or drugs, led by a teacher *or counselor?*

(1) No, but it was offered
(2) Yes
(3) It was not offered
(4) Don't know

110. Have you attended a school program featuring presentations by recovered alcoholics or drug addicts?

(1) No, but it was offered
(2) Yes
(3) It was not offered
(4) Don't know

111. Have you participated in other types of alcohol or drug programs at school?

(1) No, but it was offered
(2) Yes
(3) It was not offered
(4) Don't know

**PART XIV**

112. Overall, my participation in school alcohol/drug education programs, as indicated above has (CHOOSE THE ONE BEST ANSWER):

(1) Had no effect on my using or not using drugs
(2) Led to a decrease in my drug usage
(3) Led to an increase in my drug usage
(4) Led to my initial taking of drugs
(5) Convinced me not to start using drugs
(6) Does not apply--I have never participated in drug education programs at school.

113. Which one of the following have you found to be your most useful source of accurate and complete information about drugs? CHOOSE THE ONE BEST ANSWER:

(1) My family
(2) My friends
(3) Teachers
(4) School programs
(5) Doctors
(6) Newspaper, magazines
(7) TV, movies
(8) Hotlines
(9) My own experience
(10) Other sources

**PLEASE REVIEW YOUR ANSWERS.**
**BE SURE YOU DARKENED ONE AND**
**ONLY ONE CIRCLE FOR EACH QUESTION.**

APPENDIX B

WEIGHTING FACTORS BY SUBDIVISION AND GRADE LEVEL

| Subdivision | 8th Grade | 10th Grade | 12th Grade |
|---|---|---|---|
| Allegany | 2.199 | 2.493 | 3.092 |
| Baltimore City | 12.105 | 11.604 | 6.990 |
| Baltimore County | 8.463 | 9.208 | 9.219 |
| Calvert | 1.053 | 1.676 | 1.488 |
| Caroline | 1.143 | 1.295 | 1.215 |
| Carroll | 2.911 | 4.155 | 5.388 |
| Charles | 1.711 | 2.254 | 3.214 |
| Dorchester | 1.229 | 1.295 | 1.250 |
| Frederick | 2.526 | 4.431 | 4.526 |
| Garrett | 1.213 | 1.156 | 1.190 |
| Harford | 3.925 | 3.595 | 3.595 |
| Howard | 2.984 | 3.014 | 2.768 |
| Montgomery | 5.205 | 6.795 | 7.170 |
| Prince George's | 11.942 | 12.900 | 12.033 |
| Queen Anne's | 1.134 | 1.234 | 1.219 |
| St. Mary's | 1.182 | 1.234 | 1.665 |
| Somerset | 1.644 | 1.439 | 1.744 |
| Washington | 2.164 | 2.372 | 3.497 |
| Wicomico | 1.961 | 1.570 | 1.877 |
| Worcester | 1.145 | 1.484 | 1.220 |